

TÜV Rheinland CoC Certification Process TÜV 莱茵符合性证书认证流程

适用法定范围:

TÜV Rheinland (China) Ltd.

适用业务范围:

Products
Mobility
Industrial Services & Cybersecurity

适用过程范围:

6.3 Service Delivery : 6.3.3 Certification

1. 目的

本文件描述了莱茵检测认证服务（中国）有限公司（以下简称“TR China”）作为国家认监委（CNCA）批准的自愿性产品认证机构，向市场提供产品符合性认证的通用流程。该流程必须遵守以下法律法规（包括但不限于）：

- 《中华人民共和国认证认可条例》
- 《认证机构管理办法》
- 《认证证书和认证标志管理办法》
- 《国家认监委关于加强认证规则管理的公告》（国家认监委 2025 年第 9 号公告）

本作业指导书规定了产品符合性认证所需的步骤，这些步骤是在全球认证流程文件 MS-0020192 中定义的基础上进一步补充的。

2. 术语定义和缩写

术语/缩写	描述
CNCA	国家认证认可监督管理委员会
TR China	产品认证机构莱茵检测认证服务（中国）有限公司
CoC	符合性证书，是指一份证明特定样品符合相关技术标准、法规或进口国要求的证书。
2 PfG	由产品认证机构制定并作为认证依据使用的技术规范

3. 适用范围

本作业指导书适用于 TR China 所有员工以及代表 TR China 执行与产品合格评定相关活动的关联公司员工。
适用产品及对应标准详见 [TÜV 莱茵产品符合性认证范围](#)。

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产品符合性认证的认证方案属于 ISO/IEC 17067 中定义的方案类型 1a。该认证方案通过选取一个或多个样品，根据相关产品标准、法规及规范性文件的要求对其进行评价，评定合格后颁发产品符合性证书。证书类型为 CK 和 CL，CK 证书类型被用于认可范围内的认证，CL 证书类型被用于不在认可范围内的认证。

需要注意的是，此证书仅适用于被评估的样品，不覆盖后续生产的产品，因此不得在产品上加贴 TÜV 莱茵认证标识。

3.1 认证模式和单元划分

认证模式，本认证方案对应 ISO/IEC 17067 的方案类型 1a。认证模式为：型式试验。

如特定产品的特性需要，[TÜV 莱茵产品符合性认证范围](#)中的产品特定要求可对该模式下的具体活动进行调整，但该模式仍应满足方案类型 1a 的要求。

单元划分，产品应根据产品类型/型号、预期用途、主要技术特性和制造场所划分认证单元。具有相同设计和安全相关特性的型号可归入同一认证单元。如某产品仅包含单一单元，则无需进一步规定单元划分。

4. 工作步骤

4.1 申请

4.1.1 接收客户问询（步骤 200）

销售部收到申请人（制造商、授权代表）关于产品合格评定的其可能带来结果为签发证书的问询。销售部门需从客户那里获取产品信息、文件、样品和/或技术结构文件，因为专家需要确定产品是否符合 CoC 认证的相关要求。

销售部向客户发送获得该证书所需的所有信息，并提供相应的申请表。

各销售办公室使用的不同申请表格格式均可接受。但申请表应至少包含下列中英文内容：

- 申请人信息：申请人公司名称、地址（与营业执照一致）。
- 证书持有人信息：证书持有人公司名称、地址（与营业执照一致）。
- 发票信息（与营业执照一致）。
- 产品名称、型号、预期用途。
- 服务类型，标准。
- 目标市场信息（2个选项：中国大陆或国际）。
- 用户手册。
 - 如果目标市场为“国际”，则无需其他要求或文件。
 - 如果目标市场为“中国大陆”，用户手册应为中文。

4.1.2 核对问询（步骤 300）

需要核对以下信息：

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- 需认证的产品（应检查以下链接，以证明是否可以授予标识）：
[德国莱茵 TÜV 不予认证的产品](#)
- 客户申请的认证范围是否在产品认证机构已获 CNAS 认可的业务范围内：
[认证机构信息 \(cnas.org.cn\)](#) CNAS 认可的业务范围
- 核实客户未在“严重违法失信单位”名单中
[国家企业信用信息公示系统](#)
- 客户申请认证的标准和/或其他规范性文件。
- 客户的基本特征，包括名称、实际地址和任何相关法律义务。
- 制造商提供的信息。
- 这些文件清晰易懂地说明了技术方面的问题。
- 目标市场信息（见 4.1.1）

需要提供以下资料供以进行申请评审：

- 产品描述、技术数据
- 产品技术文件
- 适用标准的清单和有效性；
- 合格评定的申请表，或详细说明了必要数据的其他文件；
- 通用协议，各方正式签署的通用协议，以及通用协议中指定的文件的有效版本。

所有与提供认证服务相关的项目信息都必须纳入 ComPASS 文件管理。

注：证书持有人（包括共同证书持有人）与 TÜV 莱茵（中国）之间应签订通用协议。通用协议的模板见 [TÜV Rheinland\(CN\) 主页](#)。

4.2 申请评审

申请人提交合格评定申请及必要的信息、数据和文件后，认证机构需要确保

- 提供的信息充足。
- 确认证认的范围，包括产品、标准、法规等。
- [TÜV 莱茵产品符合性认证范围](#)列出了能够被申请的产品及其标准或测试规范。
- 具备开展所有合格评定活动所需的能力。

任何与客户的理解分歧都应在这一阶段得到解决，以避免返工，最坏情况下会导致合同取消。

4.2.1 确定认证范围（步骤 400）

应确保申请人提供的信息完整且足以确定 CoC 认证的适用认证要求。这也包括规范性文件、流程、可用资源以及执行所有认证活动所需的能力和资质。接收申请人关于 CoC 认证询问的部门（销售、审核员或专家）应

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明确澄清所需的产品信息，以确定认证范围。需进行初步检查，以验证所描述的产品是否包含在 [TÜV 莱茵产品符合性认证范围](#)内。

4.2.2 标准产品（步骤 500）

CoC 认证无额外要求。

4.2.3 打开新的申请评审文件（步骤 600）

为执行申请评审和准备报价工作，将在 ComPASS 中打开一个新的申请评审，并上传收到的相关文件。任务将发送给申请评审人员以检查提交的信息。

4.2.4 检查提交的信息（步骤 700）

需要确保客户提供的信息是完整的，并足以确定 CoC 认证的适用认证要求和认证流程。信息包括规范性流程、文件、可用于执行所有认证活动的能力和资质。复核人员或认证决定人员应检查客户提交的信息，具体包括以下内容：

- 明确界定产品及其预期用途。
- 清晰识别产品的技术特性。
- 型号系列中不同型号之间的差异。
- 适用于产品的认证要求（规范性文件、标准）。
- 现有经认可的测试实验室出具的可接受的测试报告（见第 4.3.1.4 条）。
- 进一步的资源来进行必要的测试的需求（包括检查人员能力）。
- 产品在 [TÜV 莱茵产品符合性认证范围](#)中。

注：还需检查客户在申请中提供的数据和信息在技术上是否符合标准定义和规范，如产品名称、预期用途和/或分类、取决于其范围的标准参考等。

4.2.5 接受（步骤 800）

如果认证范围未被批准，则需要重新启动包含步骤 100 的申请过程，或者拒绝认证。在这两种情况下，在重新发起申请并且新认证文件的认证范围获得批准后，还需要在 ComPASS 中调整状态。

4.2.6 发布报价单并签署报价单（步骤 900）

向客户提交详细报价，包括与认证相关的所有信息和活动。指定的销售人员应向申请人提供一份报价单，其中包括与预期认证有关的所有相关信息以及评价阶段所涉及的使用方。在 ComPASS 中输入相关信息。

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4.2.7 建立订单 (步骤 1000)

当客户签署并返回报价，且客户同意报价内容及所有相关信息后，指定人员应在 ComPASS 中建立订单。

4.3 评价 (步骤 1100-1600)

评价阶段始终基于评价计划。评价计划依据认证方案和特定产品的产品要求制定。此评价计划至少包含以下内容：需要进行认证的产品、规定产品要求的标准、法规及其他规范性文件。评价计划还包括具体任务的时间安排。相应的评价任务包括设计和文档审查、抽样、测试等活动。

如果评价计划与客户签署的合同之间存在任何差异，则应启动新的申请评审和报价。如果评价过程中涉及的相关方发生变更（与合同相比），则在评价开始前应通知申请人并征得其批准。

注：只有在报价中明确包含以上提到的内容，报价才可以被视为评价计划。

4.3.1 检测、检查和审核 (步骤 1100)

根据 CoC 认证方案和产品要求，将制定评价活动的评价计划。认证方案（包括相关活动）将录入 ComPASS 系统中。此评价计划规定了用于特定任务的评价方法和程序、人员及其他资源，以及时间安排。如果评价计划中涉及的评估方（如分包方）与合同相比发生变更，则必须通知申请人，并告知其有权拒绝或批准变更。检测或监督等作为认证一部分的特定订单类型也将录入 ComPASS 系统中。

客户需按照报价（评价计划）的规定，为检测实验室提供必要的样品和文件。

检测实验室根据适用标准的基本健康和安全要求，对样品（包括其附属配件、标识标签、产品随附文件（如用户手册））进行必要的测试。

4.3.1.1 产品检测

检测实验室依据适用的标准或技术规范，对客户提供的样品及其附属资料（如标识标签、使用说明书等）进行测试，以确认其是否符合认证要求。

产品符合性认证的产品检测内容可分为全部项目的检测和部分项目的检测。

1) 全面检测

检测项目原则上应覆盖 [TÜV 莱茵产品符合性认证范围](#) 中所列适用标准或技术规范要求的全部检测内容，这些内容通常包括但不限于：

- 电气安全（如耐压测试、接地电阻测试等）；
- 性能测试（如功率效率、功能稳定性）；
- 电磁兼容性（如辐射骚扰和抗扰度测试）；
- 环境模态测试（如湿热、低温、振动）；
- 其他安全性测试或特定要求（如机械强度、材料燃烧性能等）。

2) 部分检测

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应客户要求，检测实验室可仅对样品实施部分项目的检测。部分检测项目需客户明确提出，并在评价计划和产品符合性证书中列明。

4.3.1.2 检测报告

检测结果被作为认证的关键证据和认证过程记录时，出具检测结果的检测实验室应取得实验室资质。如果被应用的检测资源在 CMA 检测资质认定库内，应取得 CMA 资质，且检测项目必须在该实验室 CMA 能力附表范围内；如果检测资源不在 CMA 检测资质认定库内，则应获得 GLOBAC 成员认可机构的 ISO/IEC 17025 认可，且检测项目必须在认可机构认可的 ISO/IEC 17025 能力附表范围内。2 PfG 是莱茵内部编写的测试技术规范，技术规范内参考应用的标准，也应取得相应的 CMA 资质或 GLOBAC 成员认可机构 ISO/IEC 17025 的认可。

检测结果将记录在测试报告中，检测报告包含对相关要求的评价。检测报告和检测文件由检测实验室根据 ISO/IEC 17025 的要求完成并出具报告。检测实验室将文件上传至 ComPASS 系统。如果目标市场是中国，检测报告必须以中文或中英双语的形式记录。

检测报告应包括以下基本内容：

- 测试的样品信息（如型号、规格、样品描述等）；
- 测试依据的标准、法规或技术规范；
- 各检测项目的测试方法、测试条件及结果数据；
- 检测结果的评价（合格/不合格，或符合/不符合相关要求）；
- 需要额外说明的结果或偏差（如适用）；
- 报告出具的日期、报告编号，以及测试机构的签字或盖章。

4.3.1.3 分包

在 [TÜV 莱茵产品符合性认证范围](#)内，下列检测报告可在规定的条件下用于型式试验。

1) 德国莱茵 TÜV 集团内部检测实验室的检测报告

a) 被视作自有检测实验室的检测报告

2) 分包方的检测报告

分包必须满足以下条件：需遵守 ISO/IEC 17065 标准第 6.2.2 节的相关规定。这尤其包括：

- 必须存在充分记录的协议，涵盖相关条款，包括保密性和利益冲突方面的条款；
- 分包由 TR China 授予时，TR China 需承担全部责任，并必须确保被分包的机构或人员具备适当的能力，同时不得影响公平性；
- 此外，在授予分包合同时，必须通知申请人，并赋予其申诉的权利；
- 分包方必须在发现检测结果不准确时立即通知认证机构；

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- 必须在合同中明确排除分包方进一步进行再次分包的行为（ISO/IEC 17025 标准第 4.5 节的规定不适用）。

4.3.1.4 采信

在 [TÜV 莱茵产品符合性认证范围](#) 内，在以下条件下，可以接受检测报告用于型式试验：

- 德国莱茵 TÜV 集团内部检测实验室的检测报告。
- 来自 ILAC 成员的认可机构认可的外部分包检测实验室的检测报告。
- 检测报告要求与拟颁发证书的要求相匹配。如果测试报告超过一年，则必须进行产品一致性测试，以确保产品与相关测试报告中记录的内容一致。此测试必须由根据 Q-Matrix 合格的专家执行，并基于 2 PfG 2516 形成测试报告。只要能确保产品一致性，也可以接受替代检测报告要求。
- 如果目标市场是中国，则检测报告应为中文（或附带中文翻译件）。

注意：仅采信与 CoC 认证相关并在认证申请之前完成的测试报告。

4.3.2 工厂检查（步骤 1200）

本文件不适用。

4.3.3 不符合项？（步骤 1300）

需要确定被测试产品是否符合要求，或者是否存在任何不符合项。当在产品测试中发现偏差时，制造商将收到一份详细的偏差报告，并需要在截止日期之前纠正这些偏差。

4.3.4 不符合项确凿？（步骤 1400）

当证实与认证要求的不符合项时，认证机构应考虑并决定适当的措施。根据 ISO/IEC 17065:2012/条款 7.11.1，适当的措施可以包括以下内容：

- a) 按认证机构规定的条件继续认证；
- b) 缩小认证范围，移除不合规的产品变型；
- c) 暂停认证，等待客户采取补救措施；
- d) 撤销认证。

4.3.5 将不符合项的结果提交给客户（步骤 1500）

不符合项会告知客户，客户需要表示是否愿意继续认证程序。如果客户表示愿意继续执行认证程序，则会提供一份评估报告，其中包含验证纠正措施所需的额外评估任务。在提交新的评估计划之前，必须核实是否需要执行第 900 步（出具报价单并签署报价单）。

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4.3.6 验证纠正措施计划 (步骤 1600)

应验证客户是否根据其纠正措施计划在规定的时间内采取了纠正行动和措施以解决所有不符合项。一个经过修改的新样品以及说明如何处理不符合项的描述可以被视为纠正措施计划。验证可能会引发需要执行评价步骤的需求。根据所需的纠正措施，评价需彻底进行，或者仅针对导致偏差报告的部分进行。客户将被及时告知验证结果。

4.4 复核 (1700-1900)

4.4.1 确定符合性证据 (步骤 1700)

认证机构应指定至少一人对与评价相关的所有信息和结果进行复核。复核应由公正且未参与评价过程的人员实施。

复核应包括以下内容的核查：验证认证方案和标准的范围适用于待认证的产品；测试实验室的能力（参考其认可范围）；测试文档的适用性和充分性。

MS-0050539 附件 1 认证检查表是一份详细的计划和指南，用于执行复核及记录其结果。符合要求的确认将记录在 ComPASS 系统中，同时也需上传所有相关的文件。

4.4.2 推荐认证? (步骤 1800)

复核人员在复核与评价有关的所有信息、文件和结果后，应决定是否推荐认证。如果产品和评价文件符合要求，则复核人员推荐认证。如果不符合以下要求，推荐拒绝认证可能会触发步骤 1300（不符合项）或根据步骤 1100 和/或 1200 进行新的或额外的评价。

4.4.3 推荐认证 (步骤 1900)

根据复核做出的认证决定推荐应记录在认证检查表中。认证推荐将输入 ComPASS。

4.5 认证决定 (2000-2200)

4.5.1 做出决定认证 (步骤 2000)

一旦复核人员在 ComPASS 和 SAP CORE 中上传并发布了文档和认证推荐，认证决定人员将在 ComPASS 中收到一项任务。如果认证被认证决定人员授予，他/她将在 SAP CORE 中将状态切换为状态 14。

在必要情况下，他/她可以要求复核人员检查证书内容的技术正确性。

最后，认证决定人员应确保所有认证方案的要求均已得到遵守。SAP CORE 中的所有相关信息随后将被传输至 CERTIPEDIA。MS-0050539 附件 1 认证检查表是进行认证决定和记录相关内容的详细计划和指南。认证决定将被记录在 ComPASS 中，同时需上传任何其他相关文件，特别是已完成的认证检查表。

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注意：做出认证决定的人员必须不同于参与评价的人员。然而，复核和认证决定可以由同一人或同一组人员同时完成。

4.5.2 授予认证? (步骤 2100)

如果已获得认证，则继续颁发证书（步骤 2200）。相反，如果无法颁发证书，则根据拒绝的原因，要么向客户提供一份偏差报告，要么重复评价步骤。根据客户的答复，应采用以下选项：

- 选项 1：如果客户决定继续认证，流程将回到测试（步骤 1100）；
- 选项 2：如果客户决定不再继续认证流程，则关闭项目并开具发票。

4.5.3 签发证书和所需信息 (步骤 2200)

在审核结果为正面的情况下，认证将被授予。客户将获得 CoC 证书。

证书应包含以下信息：

- 签发 CoC 证书的认证机构名称和地址；
- 持证人（许可证持有人）的名称和地址；
- 证书编号；
- 测试报告编号；
- CoC 证书的签发日期，符合性证书仅证明特定样品符合相关技术标准、法规或进口国要求，无有效期；
- 型号；
- 关于产品的技术信息，以便清楚地将产品与证书对应，例如：防护等级、电压、功率、尺寸等；
- 测试规范以及版本号；如果测试规范仅部分适用，则需要加注说明；
- 认证决定人员的姓名；
- 如客户申请的认证范围在产品认证机构已获 CNAS 认可的业务范围内，则证书需加 CNAS 认可标志。

证书可能包含一页或多页：

如果产品有多种变型（设计相同，但在不影响产品安全的情况下进行了一些修改），这些变型可以在同一张证书上进行组合。如果“产品描述”字段中空间不足，则可以在相同证书编号下添加一张补充证书页。重要的是，将所有产品变型结合在一个测试报告中，且统一提供一个测试报告编号。

通常，CoC 证书将发给客户，但不包含结构性数据表。结构性数据表是测试档案的一部分，但不是测试报告的必需内容，因此仅在客户特别要求的情况下提供。

如果认证未获批准，则应通过发布相关的否定性报告通知客户（ISO/IEC 17065:2012 / 第 7.6.6 条）。

在进行修正并做出正面的认证决定后，认证人员将在 CORE 中切换状态。所有相关信息将从 CORE 传输到 [CERTIPEDIA](#) 数据库，[CERTIPEDIA](#) 是 TÜV 莱茵查询证书的公开途径。认证人员打印证书，并按要求签署（ISO/IEC 17065:2012 / 第 7.7 条）。

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注意:

如果认证机构已获得 CoC 相应产品及其适用标准的认可，则证书上应包含认可标志。

如果客户希望证书上不带有认可标志，则客户必须向认证机构和认可机构解释其原因。

如认证机构和认可机构均认为客户的理由合理且可以接受，则可酌情处理。

4.6 监督 (2300-2900)

本文件不适用。

4.7 影响认证的变更

仅证明特定样品符合相关技术标准、法规或进口国要求，不涉及认证产品的变更。

仅证明特定样品符合相关技术标准、法规或进口国要求，认证要求的变更不影响原认证结果。

4.8 认证范围的扩大或缩小

仅证明特定样品符合相关技术标准、法规或进口国要求，不涉及认证范围的扩大或缩小。

4.9 认证的终止、暂停和撤销

在协调相关业务领域后，认证机构、标识监督团队或商业订单处理团队可基于以下原因，决定是否需要对符合性认证进行终止、暂停或撤销：

- 客户被列入“严重违法失信单位”名单中 [国家企业信用信息公示系统](#)
- 滥用认证，例如错误引用认证内容，或误导性使用证书和测试标志；
- 未支付相关费用；

如果需要根据上述任一原因采取行动，根据职责分工，标识监督团队、商业订单处理团队或认证机构将启动相关问题处理流程，通常会邀请相关认证决定人员参与。将应在合理时间内努力澄清情况。如果问题无法解决，且前述问题仍然存在致使必须终止、暂停或撤销符合性认证证书，认证机构、标识监督团队或商业订单处理团队将终止、暂停或撤销符合性认证证书，并在核心系统（CORE 系统）中发起相关证书的撤销或取消程序。如有必要，还会通知相关主管部门或其他认证机构。

4.9.1 认证的终止

根据默认设置，CoC 证书没有有效期，只有签发日期。CoC 证书在 CORE 和 Certipedia 中的状态可以应客户的要求终止。CAB 应要求证书持有人（制造商）提出书面终止申请，并相应更新记录。

注意：客户无权退回已经支付的认证注册费用。

4.9.2 认证的暂停和撤销

如果市场监管当局发现某客户被列入“严重违法失信单位”名单中，则可能指示 CAB 撤销相关证书。

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在调查不符合项的期间且在得出结论之前，CAB 可暂停认证，通知证书持有人，并相应更新记录。

如果调查表明不符合项未被证实，或者证书持有人已采取适当的补救措施，则暂停的证书的有效性可恢复，并相应更新记录。

如果调查表明不符合项得到了证实，且证书持有人未在规定的时间内采取适当的补救措施，则暂停的证书应被撤销，并相应更新记录。

4.10 证书有效期

CoC 认证仅证明特定样品在检测时符合相关标准、法规或技术规范的要求，不覆盖后续生产的其他产品，证书无认证有效期。

4.11 认证费用

CoC 认证仅证明特定样品在检测时符合相关标准、法规或技术规范的要求，根据不同产品、不同要求单独定价，无固定收费标准。

4.12 记录和保存

所有与认证相关的书面记录或电子存储信息必须至少保留 2 年，具体起始时间为证书失效、撤销或被宣布无效之后。

4.13 投诉和申诉

遵循 MS-0000372 最新版本。

5. 岗位和职责

流程角色	责任
申请评审人员	评审认证服务的申请。申请评审仅可由复核人员或认证决定人员执行。
项目工程师	根据 ISO/IEC 17025 进行测试并编制测试报告。
测试报告核准人	根据 ISO/IEC 17025 核准测试报告。
复核人员	在特定领域具备资格并被指定的技术专家。由认证决定人员加入进认证流程，以确保在合格评定中具备足够的技术能力，并被分配具体任务。

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	由认证机构根据 ISO/IEC 17065 最新有效版本（参见 MS-0049004）指定的人员负责执行复核任务。
认证决定人员	由认证机构指定，根据 ISO/IEC 17065 最新有效版本（参见 MS-0049004）执行认证决定的人员。

6. 规范

N/A

7. 附件*Annex 1 of MS-0050539 TÜV Rheinland CoC Certification Checklist_ Version 3.docx***8. 相关文件***MS-0020192 - Global Product Certification Process**MS-0000372_zh - 主 过 程 投 诉 管 理 (Complaint Management)***9. 外部参考文件**

N/A

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Legal Scope:

TÜV Rheinland (China) Ltd.

Business Scope:

Products
Mobility
Industrial Services & Cybersecurity

Process Scope:

6.3 Service Delivery : 6.3.3 Certification

1. Objectives

This document describes the general process for product conformity certification provided by TÜV Rheinland (China) Ltd. (hereinafter referred to as "TR China"), which is approved as a voluntary product certification body by the Certification and Accreditation Administration of the People's Republic of China (CNCA). This process must comply with the following laws and regulations (including but not limited to):

- Regulations of the People's Republic of China on Certification and Accreditation
- Measures for the Administration of Certification Bodies
- Measures for the Administration of Certificates and Marks
- The Announcement of CNCA on Strengthening the Management of Certification Rules (CNCA Announcement No. 9 of 2025)

This work instruction specifies the steps required for product conformity certification, which are further supplemented based on the global certification process document MS-0020192.

2. Terms and Abbreviations

Terms/Abbreviations	Description
CNCA	National Certification and Accreditation Administration
TR China	Short name for TÜV Rheinland (China) Ltd. as a product certification body
CoC	Certificate of Conformity refers to a certificate that certifies a specific sample meets relevant technical standards, regulations, or the requirements of the importing country.
2 PfG	Technical specifications formulated by a product certification body and used as the basis for certification.

3. Scope of Application

This procedure applies to all employees of TR China, as well as employees of affiliated companies performing activities related to product conformity assessment on behalf of TR China.

Applicable products and their corresponding standards are provided in [Scope of TÜV Rheinland CoC Certification](#).

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The product conformity certification scheme of TR China falls under Scheme Type 1a as defined in ISO/IEC 17067. Under this certification scheme, one or more samples are selected and evaluated against the requirements of relevant product standards, regulations, and normative documents. Once compliance is confirmed, a product conformity certificate is issued. The certificate types are CK and CL. The CK certificate type is used for certification within the accreditation scope, while the CL certificate type is used for certification outside the accreditation scope.

It is important to note that this certificate only applies to the assessed samples and does not cover products produced subsequently; therefore, the TÜV Rheinland certification mark must not be affixed to the products.

3.1 Certification Mode and Unit Division

Certification mode, the certification scheme corresponds to Scheme Type 1a of ISO/IEC 17067. The certification mode is type testing.

Where the characteristics of a specific product require it, the detailed activities within this mode may be adapted to the product-specific requirements in [Scope of TÜV Rheinland Type Approval Product Certification](#), but the mode shall continue to satisfy the requirements of Scheme Type 1a.

Unit division, Products are divided into certification units on the basis of product type/model, intended use, principal technical characteristics and manufacturing site. Models that share the same design and safety-relevant characteristics may be grouped into one certification unit. Where a product comprises only a single unit, unit division need not be further specified.

4. Activities

4.1 Application

4.1.1 Receive customer inquiry (step 200)

Sales receive inquiry from Applicant (manufacturer, authorized representative) regarding product conformity assessment that may result in issuing a certificate. Sales need to receive product information, documents, sample(s) and/or technical construction files from customer because the expert must determine whether the product complies with the relevant requirements for CoC certification. Sales sends all information to client, which is necessary for application and provides the appropriate application form.

Various forms used by Sales offices to document the application are acceptable.

- Applicant information: company name of applicant, address (consistent with business license).
- Certificate holder information: company name of certificate holder, address (consistent with business license).
- Invoice information (consistent with business license).
- Product name, model/type designation, intended use.
- Services, Standard(s).
- Target market information (2 options: Mainland China or International).
- User manual.
 - If target market is "International", no further requirements or documents required.
 - If target market is "Mainland China", user manual shall be in Chinese language.

4.1.2 Check inquiry (step 300)

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The following information needs to be checked:

- the product(s) to be certified (the following links shall be checked to prove whether the mark can be awarded):
[Products TÜV Rheinland will not certify](#)
- whether the certification scope applied for by the client within the business scope already accredited by CNAS for product certification bodies:
[Information of Certification Body \(cnas.org.cn\)](#) Scope accredited by CNAS
- Verify that the client is not on the "List of Seriously Illegal and Dishonest Entities."
[National Enterprise Credit Information Publicity System](#)
- the standards and/or other normative documents for which the client is seeking certification.
- the general features of the client, including its name and the address(es) of its physical location(s) and any relevant legal obligations.
- Information provided by the manufacturer.
- documents, which indicate technical aspects clearly and understandably.
- Target market information (see 4.1.1)

Following need to be available for application review:

- Description of product, technical data
- Technical documentation of the product
- List and validity of applied standards
- Application form for conformity assessment, or other document detailing the necessary data
- General Agreement, duly signed by each party to the contract, together with the documents designated there in their respective valid version.

All project related information that is relevant for providing the Certification service have to be put into ComPASS document management.

Note: A General Agreement between a certificate holder and TR China shall be concluded. The template of General Agreement are available in TÜV Rheinland [\(CN\) homepage](#).

4.2 Application Review

After the applicant submitted its application for conformity assessment with the necessary information, data and document, the Certification body needs to ensure that:

- provided information is sufficient.
- determine the scope of certification in regard to the product, standards, regulative, etc.
- product name and its standards can be applied for are set out in [Scope of TÜV Rheinland CoC Certification](#).
- the necessary competence and capability to perform all conformity assessment activities are available.

Any differences in understanding with the client should be solved in this phase to avoid rework or, worst case, cancelation of the contract.

4.2.1 Determine scope of certification (step 400)

It shall be ensured that the provided information by the applicant is complete and sufficient for the determination of the applicable certification requirements of CoC. This includes also normative documents,

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processes, available capabilities and competences to perform all certification activities. The receiving party (Sales, Reviewer or Expert) of an applicant's inquiry for CoC shall clearly clarify the required product information to determine the scope of certification. A first pre-check shall be done to verify that the described product is included in [Scope of TÜV Rheinland CoC Certification](#).

4.2.2 Standard Product (step 500)

No additional requirements for CoC Certification.

4.2.3 Open new application review file (step 600)

For the performing of application review and preparation of quotation, a new application review is opened in ComPASS, where the received documentation is uploaded. The task will be sent to the Application Reviewer to check the submitted information.

4.2.4 Check of submitted information (step 700)

It has to be ensured that the information provided by the client is complete and sufficient for the determination of the applicable certification requirement and the certification process of CoC. The information includes normative processes, documents, available competences and capabilities to perform all certification activities. Reviewer or certifier shall check the submitted information by the client for the following details:

- product and its intended use are clearly defined.
- technical characteristics of product clearly identified.
- differences between models of model family.
- certification requirements (normative documents, standards) applicable to product.
- existing of acceptable test report(s) from accredited testing laboratory(s) (see clause 4.3.1.4).
- need further resources for performing the necessary tests (incl. checking personnel competence).
- The product is within the scope described in [Scope of TÜV Rheinland CoC Certification](#).

Note: it needs to be checked as well, if the data and information provided by client in application are technically in-line with standard definitions and specifications, e.g. product name, intended use and/or classification, standard reference depends on its scope, etc.

4.2.5 Acceptance (step 800)

If the certification scope is not approved, then the application with step 100 has to be restarted or the certification has to be declined. In both cases, after having restarted the request for application and the certification scope of the new certification file has been approved, also the status has to be adjusted in ComPASS.

4.2.6 Issue quotation & sign quote (step 900)

Submit detailed quotation to the client including all information and activities relevant for the certification. Designated sales staff shall provide the applicant with a quotation including all relevant information regarding the intended certification and used parties that are involved in Evaluation phase. Enter the relevant information in ComPASS.

4.2.7 Open order (step 1000)

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Designated staff shall open an order in ComPASS once quotation is signed back by the client and the client agreed to the quotation including all relevant information.

4.3 Evaluation

The evaluation phase is always based on an evaluation plan. The evaluation plan is based on the scheme and product requirements for the specific product that is going to be certified. This evaluation plan sets out at least the product for which the certification is required, standards, regulative and other normative documents which specify the product requirements. The evaluation plan includes also the timeframe for the specific tasks. This corresponding evaluation tasks comprises activities as design and documentation review, sampling, testing. Any established differences between evaluation plan and with customer signed contract shall lead to a new application review & quotation. Any change of a party involved in Evaluation process, compared to contract, then the applicant shall be informed prior start of Evaluation and asked for approval.

Note: A quotation can be considered as an evaluation plan only, if above mentioned items are defined in a quotation.

4.3.1 Testing, Inspection, Auditing (step 1100)

Based on CoC certification scheme and the product requirements, an evaluation plan for the evaluation activities will be prepared. The certification scheme incl. the activities will be entered in ComPASS. This evaluation plan sets out the evaluation methods and procedures, the personnel and other resources, as well as the timeframe, necessary for the specified tasks. When changes in evaluation plan in terms of involved evaluation parties (e.g. subcontractor) compared to contract occur, the applicant must be informed that he has the right to reject/approve the change. Specific order types as for testing or surveillance as part of the certification will be entered in ComPASS.

The client shall provide the necessary sample(s) and documents as specified in the quotation (evaluation plan) for the testing laboratory.

The testing laboratory performs the necessary tests on the sample(s), including its accessories, marking labels, product accompanying documentation (e.g. user manual), according to the Essential health and safety requirements of applicable standards.

4.3.1.1 General product testing

The testing laboratory performs tests on samples provided by the customer, as well as their accompanying documentation (e.g., labels, user manuals), based on applicable standards or technical specifications, to confirm whether they meet the certification requirements.

The product testing for product conformity certification can be categorized into two types: complete testing and partial testing.

1) Full testing

The testing items, in principle, should cover all requirements specified in the applicable standards or technical specifications listed in [Scope of TÜV Rheinland CoC Certification](#). These testing items typically include but are not limited to:

- Electrical safety (e.g., withstand voltage test, grounding resistance test, etc.).
- Performance testing (e.g., power efficiency, functional stability).
- Electromagnetic compatibility (EMC) (e.g., radiated emissions and immunity tests).
- Environmental testing (e.g., humidity and heat, low temperature, vibration).

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- Other safety tests or specific requirements (e.g., mechanical strength, material flammability performance, etc.).

2) Partial testing

At the customer's request, the testing laboratory may conduct only partial testing on the sample. The partial testing items must be explicitly requested by the customer and clearly stated in the evaluation plan and the product conformity certificate.

4.3.1.2 Test Report

When test results are used as key evidence for certification and as records of the certification process, the testing laboratory issuing the test results must obtain laboratory qualifications. If the applied testing resources are included in the CMA testing qualification database, CMA qualification must be obtained, and the testing items must fall within the scope of the CMA capability of the laboratory. If the testing resources are not included in the CMA testing qualification database, ISO/IEC 17025 accreditation must be obtained from an accreditation body that is a member of GLOBAC, and the testing items must fall within the scope of the ISO/IEC 17025 capability accredited by the accreditation body.

2 PfGs are internal technical specification developed by TÜV Rheinland. The standards referenced and applied within the technical specification must also obtain the corresponding CMA qualification or ISO/IEC 17025 accreditation from an accreditation body that is a member of GLOBAC.

The test results will be documented in a test report, which includes an evaluation of the relevant requirements. The test report and related documentation shall be prepared and issued by the testing laboratory in accordance with the requirements of ISO/IEC 17025. The testing laboratory will upload the documents to the CompASS system. If the target market is China, the test report must be recorded in Chinese or in a bilingual format.

- Information about the sample tested (e.g., model, specifications, sample description, etc.);
- The standards, regulations, or technical specifications referenced for the testing;
- The testing methods, conditions, and result data for each testing item;
- Evaluation of the test results (Pass/Fail, or Conforms/Does Not Conform to the relevant requirements);
- Additional explanations of results or deviations, if applicable;
- The issuance date of the report, report number, and the signature or stamp of the testing institution.

4.3.1.3 Subcontracting

Within the certification scope outlined in [Scope of TÜV Rheinland CoC Certification](#), the following test reports can be used for type testing under specified conditions:

1) Test reports from testing laboratories within TÜV Rheinland group

a) Test reports of the recognized own test laboratories

2) Test reports from subcontractors

A subcontract must fulfil the following conditions: The rules according to section 6.2.2 of the standard ISO/IEC 17065 must be complied with. This means in particular:

- The existence of a sufficiently documented agreement on the relevant stipulations including those on confidentiality and conflicts of interest.

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- TR China awards the subcontract, it bears the entire responsibility and must ensure that the body or person charged with a subcontract is appropriately competent and that there is no impairment of impartiality.
- In addition, when a subcontract is awarded, the applicant must be informed and given the right to appeal.
- Furthermore, the subcontractor shall be obliged to inform the certification body immediately in case of incorrect test results.
- Further subcontracting by the subcontractor is also to be contractually excluded (regulations of section 4.5 of the standard ISO/IEC 17025 do not apply).

4.3.1.4 Recognition

Within the certification scope outlined in [Scope of TÜV Rheinland CoC Certification](#), the following test reports can be accepted for the type testing under the stated conditions.

- Test reports from testing laboratories within TÜV Rheinland group.
- Test reports from external subcontracted testing laboratories accredited by an accreditation body which is a member of ILAC.
- Test report requirements match with the requirements of the to be issued certificate. If the test report is older than one year, a product identity test has to be performed, to ensure product is identical as documented in related test report. This test must be qualified expert as per Q-Matrix and result in a test report based on 2 PfG 2516. Alternative test report requirements can be accepted, as long the product identity can be ensured.
- Test report shall be in Chinese if the target market is China (or be accompanied by a Chinese translation).

Note: Shall only accept/recognize test report related to CoC certification completed prior to the application for certification.

4.3.2 Factory inspection (step 1200)

Not applicable to this document.

4.3.3 Non-conformities? (step 1300)

It has to be determined if the tested product complies with the requirements or if there are any non-conformities. When deviations are identified during the product test, the manufacture shall receive a detailed deviation report and has to correct the deviations until the deadline.

4.3.4 Substantiated Non-conformities? (step 1400)

When a non-conformity with certification requirements is substantiated, the certification body shall consider and decide upon the appropriate action. According to ISO/IEC 17065:2012 / clause 7.11.1, an appropriate action can include the following:

- a) Continuation of certification under conditions specified by the certification body;
- b) Reduction in the scope of the certification to remove nonconforming product variants;
- c) Suspension of the certification pending remedial action by the client;
- d) Withdrawal of the certification.

4.3.5 Submit result on nonconformities to the client (step 1500)

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Nonconformities are communicated to the client, who needs to express interest in continuing the certification process. If the client expresses interest in the continuation of the certification process, an evaluation report is provided with additional evaluation tasks, necessary for the verification of the corrective actions. Prior submission of the new evaluation plan it has to be verified if step 900 (Issue quotation & sign quote) has to be conducted.

4.3.6 Verify the corrective action plan (step 1600)

It shall be verified that the client has applied the corrective actions and measures according to its corrective action plan within the specified time limits, to resolve all non-conformities. A newly modified sample with description how the non-conformities have been addressed can be considered as corrective action plan. The verification might trigger the need to conduct step 1100 (Evaluation). Depending on the corrections needed the evaluation has to be performed completely or for those parts which caused the deviation report. The client will be informed about the verification accordingly.

4.4 Review (1700-1900)

4.4.1 Determine conformity evidence (step 1700)

The certification body shall assign at least one person to review all information and results related to the evaluation. The review shall be carried out by person(s) who is impartial and have not been involved in the evaluation process.

The review shall include the verification of the scope of scheme and standard applicable to product to be certified; the competence of testing laboratory (refer to accredited scope); suitability and adequacy of testing documentation.

Annex 1 of MS-0050539 Certification Checklist is a detailed plan and guide to perform the review and to document its result. The establishment that the requirements have been met, will be documented in ComPASS. This also includes the upload of all relevant documents.

4.4.2 Certification recommended? (step 1800)

After reviewing all information, documents and results related to the evaluation, the reviewer shall take the decision if certification is recommended or not. If the product and evaluation documentation comply with the requirements then the reviewer recommends the certification. If the requirements are not met with the following requirements, a rejection of a certification recommendation might trigger either step 1300 (non-conformities) or a new or additional evaluation according to step 1100 and/or 1200.

4.4.3 Recommend certification (step 1900)

Recommendations for a certification decision based on the review shall be documented in the Certification checklist. The recommendation for certification will be entered in ComPASS.

4.5 Certification decision (2000-2200)

4.5.1 Decide on Certification (step 2000)

Certifier will receive a task in ComPASS as soon as the documentation and certification recommendation have been uploaded by the Reviewer and released in ComPASS and SAP CORE. In case the certification is granted by the Certifier, he/she will switch the status in SAP CORE to status 14.

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In case of need he/she requests the reviewer to check the technical correctness of contents of certificate.

Finally, the certifier shall ensure that all the requirements of the certification scheme are complied with. All relevant information from SAP CORE will then be transferred to CERTIPEDIA. Annex 1 of MS-0050539 Certification Checklist is a detailed plan and guide to make the certification decision and to document it. The certification decision will be documented in ComPASS. This includes also the upload of any further relevant documents, especially the completed Certification Checklist.

Note: The Person taking the certification decision has to be different from the person being involved in the evaluation. However the review and the certification decision can be completed concurrently by the same person or group of persons.

4.5.2 Certification granted? (step 2100)

In case Certification has been granted proceed with issuing the certificate (step 2200). Opposite, when Certification cannot be granted, depending on what caused the rejection either customer has to be informed with a deviation report or evaluation has to be repeated. Depending on client's answer following options shall be applied:

- Option 1: If client decides on continuing the certification, process goes back to testing (step 1100);
- Option 2: If client decides on not continuing the certification process, close project & issue invoice.

4.5.3 Issue certificate and any required information (step 2200)

With the positive outcome of the review, certification is granted. The client will be provided with the CoC certificate.

The certificate shall provide the following data:

- name and address of the Certification body that issued the CoC certificate;
- name and address certificate holder;
- certificate number;
- test report number;
- the issuance date of the CoC certificate states that the certificate only certifies that the specific sample complies with relevant technical standards, regulations, or the requirements of the importing country, and it does not have a validity period.
- type designation;
- technical information about the product in order to clearly match the product with the certificate, e.g. protection class, voltage, power, dimensions etc.;
- test specifications and version numbers; if the test specifications are only partially applicable, a note must be added to clarify the name of the certifier;
- if the certification scope applied for by the client falls within the business scope already accredited by CNAS for the product certification body, the certificate must include the CNAS accreditation symbol.

Certificates may have one or several pages: If the product is manufactured in several variants (same design, but with modifications that are not relevant to the safety of the product), the individual variants under different type designations may be combined on one certificate. If there is a lack of space in the "product description" field, an additional certificate page may be used under the same certificate number. It is important to combine all product variants in one test report under one report number.

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In general CoC certificates are sent to the customers without constructional data forms. Constructional data forms are elements of the test file but not mandatory of the test report and for this reason are included only upon specific customer request.

If certification is not granted, the client shall be informed accordingly by issuing a corresponding negative report (ISO/IEC 17065:2012 / clause 7.6.6).

After correction and a positive certification decision has been made, the Certifier will switch the status in CORE. All relevant information will be transferred from CORE to CERTIPEDIA, CERTIPEDIA is TÜV Rheinland's public platform for certificate verification. The Certifier prints the certificate and signs it accordingly (ISO/IEC 17065:2012 / clause 7.7).

Note: If the certification body has obtained the accreditation of the product and its corresponding standard of CoC certification, the certificate shall be certified with accreditation symbol.

If the customer wishes the certificate to be certified without the accreditation symbol, the customer must explain the reason to the certification body and the accreditation body.

Exceptions may be made, if both the certification body and the accreditation body consider the reasons of the client of the certification body to be reasonable and acceptable.

4.6 Surveillance (2300-2900)

Not applicable to this document.

4.7 Changes affecting the certification

The certificate only certifies that a specific sample complies with relevant technical standards, regulations, or the requirements of the importing country. It does not involve changes to the certified product.

The certificate only certifies that a specific sample complies with relevant technical standards, regulations, or the requirements of the importing country, and changes to certification requirements do not affect the original certification results.

4.8 Expansion or Reduction of the Certification Scope

The certificate only certifies that a specific sample complies with relevant technical standards, regulations, or the requirements of the importing country. It does not involve the expansion or reduction of the certification scope.

4.9 Termination, Suspension, and Withdrawal of Certification

Following coordination with relevant business areas, certification bodies, label supervision teams, or the business order processing team may decide whether conformity certification needs to be terminated, suspended, or withdrawn based on the following reasons:

- The client is listed under the "List of Seriously Dishonest Entities" in the National Enterprise Credit Information Publicity System.
- Misuse of certification, such as incorrect referencing of certification content or misleading usage of the certificate and testing marks;
- Failure to pay relevant fees;

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If action is required for any of the aforementioned reasons, the relevant issue-handling process will be initiated by the label supervision team, the business order processing team, or the certification body, based on their respective responsibilities. Relevant certification decision-makers are typically invited to participate in the process. Efforts should be made to clarify the situation within a reasonable timeframe.

If the issue cannot be resolved and the aforementioned problems persist, resulting in the necessity to terminate, suspend, or withdraw the conformity certification certificate, the certification body, label supervision team, or business order processing team will terminate, suspend, or withdraw the conformity certification certificate. The cancellation or withdrawal procedures for the certificate will be initiated in the core system (CORE system). If necessary, the relevant authorities or other certification bodies will also be notified.

4.9.1 Termination of Certification

As per default, CoC Certificate do not have a validity, but only an issue date. The CoC certificate status in CORE and Certipedia may be terminated at the request of the client. The CAB (Certification and Accreditation Body) shall require the certificate holder (manufacturer) to submit a written termination request, and the records shall be updated accordingly.

Note: The client is not entitled to a refund of the certification registration fees already paid.

4.9.2 Suspension and Withdrawal of Certification

If a market supervision authority discovers that a client has been listed in the "List of Seriously Dishonest Entities," the CAB may be instructed to withdraw the relevant certificate.

During the investigation of a non-conformity and before a conclusion is reached, the CAB may suspend the certification, notify the certificate holder, and update the records accordingly.

If the investigation shows that the non-conformity has not been substantiated, or the certificate holder has taken appropriate corrective measures, the validity of the suspended certificate may be restored, and the records updated accordingly.

If the investigation confirms the non-conformity and the certificate holder fails to take appropriate corrective measures within the specified time frame, the suspended certificate shall be withdrawn, and the records updated accordingly.

4.10 Certificate Validity

The CoC certification only certifies that a specific sample met the requirements of relevant standards, regulations, or technical specifications at the time of testing. It does not cover other products produced subsequently, and the certificate does not have a validity period.

4.11 Certification Fees

The CoC certification only verifies that specific samples meet the requirements of relevant standards, regulations, or technical specifications at the time of testing. Pricing is determined individually based on different products and requirements, and there is no fixed fee.

4.12 Records and Retention

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All written records or electronically stored information that relate to certification have to be kept for a period of 2 years after the certificate has issued or has been withdrawn or declared invalid.

4.13 Complaints and repeals

Requirements follow MS-0000372 (latest revision)

5. Roles & Responsibilities

Process Roles	Responsibilities
Application Reviewer	Personnel reviewing certification applications: The application review can only be carried out by the Reviewer or Certifier
Project Engineer	Conduct testing and prepare test reports in accordance with ISO/IEC 17025
Test Report Authorizer	Authorize test report based on ISO/IEC 17025
Reviewer	A technical expert who is qualified and appointed to work in a specific area. Personnel get involved by certifiers to ensure adequate technical competence in a conformity assessment and is assigned for specific tasks within the certification process. Personnel appointed by the certification body to carry out the review according to ISO/IEC 17065 in its latest valid version (see MS-0049004)
Certifier	Personnel designated by the certification body to carry out certification decisions according to ISO/IEC 17065 in its latest valid version (see MS-0049004)

6. Specifications

N/A

7. Attachments

Annex 1 of MS-0050539 TÜV Rheinland CoC Certification Checklist_Version 3.docx

8. Related Documents

MS-0020192 - Global Product Certification Process

MS-0000372_zh - 主 过 程 投 诉 管 理 (Complaint Management)

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9. External Reference Documents

N/A

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Scope of TÜV Rheinland CoC Certification

产品领域 (CNCA product field)	产品名称 (中) Product name (CH)	产品名称 (英) Product name (EN)	Business Line	标准/技术规范 Standard/Technical Specification	标准名称 Name of standard/Technical Specification	认证依据标准或技术规范 发布单位	认证依据标准或技术规范 发布/实施日期	标准或技术规范公开方式或可获取的途径	备注 Remark
PV11	自动扶梯	Escalator	1.02	2 PfG CH 0001/10.22	自动扶梯和自动人行道的乘坐乘运质量分级标准 Ride quality classification criteria for escalators and moving walks	莱茵检测认证服务 (中国) 有限公司	20221001		
PV11	电梯	Elevator	1.02	2 PfG CH 0002/10.22	电梯的乘运质量分级标准 Ride quality classification criteria for lifts	莱茵检测认证服务 (中国) 有限公司	20221001		
PV11	电梯	Elevator	1.02	2 PfG CH 0016/10.23	电梯的能量性能等级划分与定义: A+, A++, A+++ for lifts Classification criteria of the energy efficiency class A+, A++, A+++ for lifts	莱茵检测认证服务 (中国) 有限公司	20231001		
PV11	电梯	Elevator	1.02	2 PfG CH 0037/10.23	带能量回馈装置电梯的能量回馈率测试方法 Test method of the energy feedback rate for lifts with energy feedback device	莱茵检测认证服务 (中国) 有限公司	20231001		
PV11	电梯	Elevator	1.02	2 PfG CH 04109/08.25	电梯的能量性能等级划分与定义: A+, A++, A+++, A++++, A+++++ Classification criteria of the energy efficiency class A+, A++, A+++, A++++, A+++++ for lifts	莱茵检测认证服务 (中国) 有限公司	20250820		
PV11	支架	Brackets	1.02	2 PfG CH 04125/08.25	支架的安全性 Safety of brackets	莱茵检测认证服务 (中国) 有限公司	20250801		-
PV11	电梯	Elevator	1.02	2 PfG CH 04322/04.26	Classfication criteria of the energy efficiency class A+, A++, A+++, A++++, A+++++ for lifts (test method according to VDI 4707 Blatt 1/Part 1:2009) 电梯的能量性能等级划分与定义: A+, A++, A+++, A++++, A+++++ (根据VDI 4707Blatt 1/Part 1:2009的测试方法)	莱茵检测认证服务 (中国) 有限公司	20260421		
PV11	吊钩	Hooks	1.02	2 PfG CH 04370/06.26	吊钩、钢丝绳用滑轮、负载钩、吊钩球组件和负载滑轮组的安全标准 Safety Standard for Hooks, Wire-Rope Sheaves, Load Hook, Ball Assemblies and Load Blocks	莱茵检测认证服务 (中国) 有限公司	20260611		
PV11	机械 提升工具 堆叠机械 车辆 起重机 处理机械 发电机 激光设备 机场地勤设备 生产线 链式起重机	Machinery Lifting Tool Stacking Machine Vehicle Crane Treatment Device Generator Laser equipment Aircraft ground support equipment Production Line Chain Hoist	1.02	2006/42/EC - Annex I	机械指令-附件一 与机械设计和制造有关的基本健康和安全要求 Machinery Directive 2006/42/EC-Annex I Essential health and safety requirements relating to the design and construction of machinery	European Parliament, Council of the European Union	20190726	https://eur-lex.europa.eu/eli/dir/2006/42/oj/eng	
PV11	控制柜 机械 工业机器人 空气过滤单元 处理设备 焊接变压器 烘箱 电缆桥架	Control cabinet Machinery Industrial Robot Air Filter Unit Treatment Device Welding Transformer Oven Cable tray	1.02	2014/35/EU - Annex I	低电压指令-附录1 Low voltage directive-Annex I	European Union	20140329	https://eur-lex.europa.eu/eli/dir/2014/35/oj/eng	
PV11	机械	Machinery	1.02	Annex III of Regulation (EU) 2023/1230	欧洲议会和理事会条例 (EU) 2023/1230 REGULATION (EU) 2023/1230 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL	European Parliament, Council of the European Union	20230614	https://eur-lex.europa.eu/eli/reg/2023/1230/oj/eng	
PV11	机械	Machinery	1.02	ANSI E1.6-1:2021	Entertainment Technology -- Powered Hoist Systems 娱乐技术 动力提升系统	ANSI	20210101	- Entertainment Technology -- Powered Hoist Systems	
PV11	工业用卡车 自动引导车辆	Industrial Truck Automated Guided Vehicle	1.02	ANSI/CAN/UL 3100:2024	自动移动平台 Automated Mobile Platforms	UL	20231013	UL Standards & Engagement UL Red Line	
PV11	机械	Machinery	1.02	ANSI/ISO 12100:2012	机械安全—设计通则—风险评估与降低 Safety of machinery - General principles for design - Risk assessment and risk reduction	ANSI	20120305	ANSI Webstore	
PV11	工业用卡车 自动引导车辆	Industrial Truck Automated Guided Vehicle	1.02	ANSI/ITSDF B56.5:-2024	无人驾驶自动引导工业车辆及有人驾驶工业车辆自动化功能安全标准 Safety Standard for Driverless, Automatic Guided Industrial Vehicles and Automated Functions of Manned Industrial Vehicles	ANSI	20241216	Automatic Guided Industrial Vehicles and Automated Functions	
PV11	移动作业平台	Mobile Working Platform	1.02	ANSI/SAIA A92.2	American National Standard for Vehicle-Mounted Elevating and Rotating Aerial Devices 《美国国家标准: 车载升降旋转高空作业设备》	ANSI	20210101	onal Standard for Vehicle-Mounted Elevating and Rotating /	
PV11	移动作业平台	Mobile Working Platform	1.02	ANSI/SAIA A92.20	Design, Calculations, Safety Requirements and Test Methods for Mobile Elevating Work Platforms (MEWPs) 移动式高空作业平台 (MEWPs) 的设计、计算、安全要求及试验方法	ANSI	20210101	ANSI/SAIA A92.20-2021 - Design, Calculations, Safety Requirements and Test Methods for Mobile Elevating Work Platforms (MEWPs)	
PV11	仓储设备	storage equipment	1.02	AS 4084—2012	Steel storage racking 钢制货架	AS	20120229	1-2012-钢制货架-国家标准馆-国家数字标准馆	

TÜV莱茵产品符合性认证范围
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PV11	机械 移动式工作平台	Machinery Mobile working platform	1.02	AS/NZS 1418.10:2025	起重机械、葫芦和绞车 第10部分：移动升降工作平台 Cranes, hoists and winches Part 10: Mobile elevating work platforms	Standards Australia Limited/Standards New Zealand	20250214	Search Results : Standards New Zealand	
PV11	脚手架	Scaffolding Stand	1.02	AS/NZS 1576.1:2010	Scaffolding, Part 1: General requirements 脚手架 一般要求	AS	20100319	1:2010-脚手架 一般要求-国家标准馆 国家数字标准馆	
PV11	框架 脚手架配件	Frame Scaffolding accessories	1.02	AS/NZS 1576.2:2016	脚手架 - 第2部分：连接件和附件 Scaffolding - Part 2: Couplers and accessories	Standards Australia Limited/Standards New Zealand	20161223	Search Results : Standards New Zealand	
PV11	框架 脚手架组件	Frame Scaffolding elements	1.02	AS/NZS 1576.3:2015	脚手架 - 第3部分：预制和管式连接脚手架 Scaffolding - Part 3: Prefabricated and tube-and-coupler scaffolding	Standards Australia Limited/Standards New Zealand	20150317	Search Results : Standards New Zealand	
PV11	框架 脚手架组件	Frame Scaffolding elements	1.02	AS/NZS 1577:2018	脚手架铺板构件 Scaffold decking components	Standards Australia Limited/Standards New Zealand	20180629	Search Results : Standards New Zealand	
PV11	机械	Machinery	1.02	AS/NZS 4024.1204:2019	机械安全 - 机器电气设备 第1204部分：一般要求 (IEC 60204-1:2016 (第6.0版) MOD) Safety of machinery — Electrical equipment of machines, Part 1204: General requirements (IEC 60204-1:2016 (ED. 6.0) MOD)	Standards Australia Limited/Standards New Zealand	20190731	Search Results : Standards New Zealand	
PV11	机械	Machinery	1.02	ASME B20.1-2024	传送设备及相关设备的安全标准 Safety Standard for Conveyors and Related Equipment	ASME	20240708	List of all Codes and Standards - ASME	
PV11	吊钩	Hooks	1.02	ASME B30.20-2025	吊钩下发的提升装置 Below-the-Hook Lifting Devices	ASME	20250430	https://www.asme.org/codes-standards/find-codes-standards/b30-20-hook-lifting-devices	
PV11	机械	Machinery	1.02	B20.1 - 2024	传送设备及相关设备的安全标准 Safety Standard for Conveyors and Related Equipment	ASME	20240708	List of all Codes and Standards - ASME	
PV11	仓储设备	storage equipment	1.02	BGR 234	WAREHOUSE INSTALLATIONS AND EQUIPMENT 仓库安装及设备	BGR	20060101	www.antpedia.com/standard/1737146522.html	
PV11	门	Doors	1.02	BS 476-22:1987	建筑材料与构件的火灾测试 - 确定非承重构件防火性能的方法 Fire Tests On Building Materials And Structures, Methods For Determination Of The Fire Resistance Of Non-Loadbearing Elements Of Construction	BSI	20241231	Search BSI Standards	
PV11	举升工具	Lifting Tool	1.02	BS EN 17206-2:2023	娱乐技术 舞台和其他生产领域的机械 支架和桁架升降机的安全要求 Entertainment technology, Machinery for stages and other production areas, Safety requirements for stands and truss lifts	CEN	20240103	CEN-CENELEC - CEN-CENELEC	
PV11	堆叠机械	Stacking Machine	1.02	BS EN ISO 3691-5:2015+A1	工业卡车 安全要求和验证 步进卡车 Industrial trucks, Safety requirements and verification, Pedestrian-propelled trucks	CEN	20201106	CEN-CENELEC - CEN-CENELEC	
PV11	移动作业平台	Mobile Working Platform	1.02	CSA B354.6:17	Mobile elevating work platforms — Design, calculations, safety requirements and test methods 移动式升降工作平台——设计、计算、安全要求及试验方法	CSA	20170430	https://scc-ccn.ca/standardsdb/standards/4029007	
PV11	机械	Machinery	1.02	DIN 15922:2018	Entertainment technology - Fastening points and fixtures for work equipment 娱乐技术——工作设备的固定点和固定装置	DIN	20180801	DIN 15922 - 2018-08 - DIN Media	
PV11	机械	Machinery	1.02	DIN 54113-1:2018-01	Non-destructive testing—Radiation protection rules for the technical application of X-ray equipment up to 1MV – Part 1: Technical safety requirements and testing for the manufacture, installation and operation 无损检测——X射线设备技术应用的辐射防护规定，电压不超过1 MV——第1部分：制造、安装和使用的技术安全要求及检测	DIN	20180101	mernausschuesse/nmp/veroeffentlichungen/wdc-beuth/din2	
PV11	机械 提升工具 堆叠机械 车辆 起重机 处理机械 发电机 激光设备 机场地面支持设备 生产线	Machinery Lifting Tool Stacking Machine Vehicle Crane Treatment Device Generator Laser equipment Aircraft ground support equipment Production Line	1.02	Directive 2006/42/EC	机械指令 Machinery Directive 2006/42/EC	European Parliament, Council of the European Union	20190726	https://eur-lex.europa.eu/eli/dir/2006/42/oj/eng	
PV11	框架	Frame	1.02	EN 1004-1:2020	由预制元件制造的移动访问和工作塔 - 第1部分：材料、尺寸、设计载荷、安全性和性能要求 Mobile access and working towers made of prefabricated elements - Part 1: Materials, dimensions, design loads, safety and performance requirements	CEN	20201118	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 1010-1:2004+A1:2010	机械安全 - 印刷机和纸张转换机械设计与制造的安全要求 - 第1部分：通用要求 Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 1: Common requirements	CEN	20100801	CEN-CENELEC - CEN-CENELEC	

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PV11	机械	Machinery	1.02	EN 1010-2:2006+A1:2010	机械安全 - 印刷机和纸张转换机械设计与制造的安全要求 - 第2部分: 包括印前设备在内的印刷和上光机械 Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 2: Printing and varnishing machines including pre-press machinery	CEN	20100404	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 1010-3:2002+A1:2009	机械安全 - 印刷和纸张加工机械设计与制造的安全要求 - 第3部分: 切割机 Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 3: Cutting machines	CEN	20091130	EN 1010-3:2002+A1:2009	
PV11	机械	Machinery	1.02	EN 1010-4:2004+A1:2009	Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 4: Bookbinding, paper converting and finishing machines 机械安全 - 印刷和纸张加工机械设计与制造的安全要求 - 第4部分: 装订、纸张加工和整饰机械	CEN	20091230	EN 1010-4:2004+A1:2009	
PV11	机械	Machinery	1.02	EN 1010-5:2005	Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 5: Machines for the production of corrugated board and machines for the conversion of flat and corrugated board 机械安全 - 印刷和纸张加工机械设计和制造的安全要求 - 第5部分: 瓦楞纸板生产机器和平板和瓦楞纸板加工机械	CEN	20050830	EN 1010-5:2005	
PV11	机械	Machinery	1.02	EN 1012-1:2010	压缩机和真空泵 - 安全要求 - 第 1 部分: 空气压缩机 Compressors and vacuum pumps - Safety requirements - Part 1: Air compressors	CEN	20100922	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 1012-2:1996+A1:2009	压缩机和真空泵 - 安全要求 - 第 2 部分: 真空泵 Compressors and vacuum pumps - Safety requirements - Part 2: Vacuum pumps	CEN	20100930	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 1012-3:2013	压缩机和真空泵 - 安全要求 - 第 3 部分: 工艺压缩机 Compressors and vacuum pumps - Safety requirements - Part 3: Process compressors	CEN	20131113	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 1114-1:2011	塑料和橡胶机械 挤出机和挤出生产线 第1部分: 挤出机的安全要求 Plastics and rubber machines - Extruders and extrusion lines - Part 1: Safety requirements for extruders	CEN	20120229	CEN-CENELEC - CEN-CENELEC	
PV11	自动扶梯	Escalator	1.02	EN 115-1:2017	自动扶梯和自动人行道的安全 - 第 1 部分: 建造和安装 Safety of escalators and moving walks - Part 1: Construction and installation	CEN	20170719	CEN-CENELEC - CEN-CENELEC	
PV11	工业用卡车 机场地勤设备	Industrial Truck Aircraft ground support equipment	1.02	EN 1175:2020	工业用卡车的安全 - 电气/电子要求 Safety of industrial trucks - Electrical/electronic requirements	CEN	20200722	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 12110:2014	掘进机 - 气锁 - 安全要求 Tunnelling machines - Air locks - Safety requirements	CEN	20140521	CEN-CENELEC - CEN-CENELEC	
PV11	机场地勤设备	Aircraft ground support equipment	1.02	EN 12312-1:2013	Aircraft ground support equipment- Specific requirements Part 1: Passenger stairs机场地勤设备-特别要求-第1部分: 客梯车	CEN	20130130	https://standards.iteh.ai/catalog/standards/cen/83e4052f-5241-48ab-afc7-26c7f2fb7e43/en-12312-1-2013	
PV11	机场地勤设备	Aircraft ground support equipment	1.02	EN 12312-1:2024	Aircraft ground support equipment- Specific requirements Part 1: Passenger stairs机场地勤设备-特别要求-第1部分: 客梯车	CEN	20240703	https://standards.iteh.ai/catalog/standards/cen/9f7e9812-6143-411d-a171-c90b33152124/en-12312-1-2024	
PV11	机场地勤设备	Aircraft ground support equipment	1.02	EN 12312-20:2005+A1:2009	Aircraft ground support equipment- Specific requirements Part 20: Electrical ground power units机场地勤设备-特别要求-第20部分: 地面电源	CEN	20090429	https://standards.iteh.ai/catalog/standards/cen/9785e2f0-cdf7-43f2-bba2-2126495de3a9/en-12312-20-2005a1-2009	
PV11	机场地勤设备	Aircraft ground support equipment	1.02	EN 12312-3:2017+A1:2020	Aircraft ground support equipment- Specific requirements Part 3: Conveyor belt vehicles机场地勤设备-特别要求-第3部分: 皮带车	CEN	20200729	https://standards.iteh.ai/catalog/standards/cen/d338b36f-07ca-4ee2-a921-c9fd84ac4542/en-12312-3-2017a1-2020	
PV11	机场地勤设备	Aircraft ground support equipment	1.02	EN 12312-7:2020	Aircraft ground support equipment- Specific requirements Part 7: Aircraft movement equipment机场地勤设备-特别要求-第7部分: 飞机牵引车	CEN	20201014	https://standards.iteh.ai/catalog/standards/cen/6c32205e-763c-4a21-8e81-b7c39050ada3/en-12312-7-2020	
PV11	钢丝绳	Steel wire ropes	1.02	EN 12385-1:2002	Steel wire ropes - Safety - Part 1: General requirements 钢丝绳 - 安全 - 第1部分:一般要求	CEN	20021001	385-1-2002 钢丝绳 安全 一般要求 - 道客巴巴	
PV11	钢丝绳	Steel wire ropes	1.02	EN 12385-4:2002+A1:2008	Steel wire ropes - Safety - Part 4: Stranded ropes for general lifting applications 钢丝绳 - 安全 - 第4部分:用于普通起重应用的绞绳	CEN	20080319	绳 - 安全 - 第4部分:用于普通起重应用的绞绳-国家标准馆 国家标准	
PV11	钢丝绳	Steel wire ropes	1.02	EN 12385-5:2021+A1:2025	钢丝绳 - 安全 - 第 5 部分: 电梯绞合钢丝绳 Steel wire ropes - Safety - Part 5: Stranded ropes for lifts	CEN	20250423	CEN-CENELEC - CEN-CENELEC	

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PV11	机械 门	Machinery Doors	I.02	EN 12453:2017+A1:2021	工业、商业和车库门和大门、动力门使用的安全性、要求和试验方法 Industrial, commercial and garage doors and gates - Safety in use of power operated doors - Requirements and test methods	CEN	20211222	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	I.02	EN 12581:2005+A1:2010	涂层工厂 - 用于浸涂和电解有机液体涂布材料的机械 - 安全要求 Coating plants - Machinery for dip coating and electrodeposition of organic liquid coating material - Safety requirements	CEN	20101020	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	I.02	EN 12621:2025	液体涂料供应和循环用机械 — 安全要求 Machinery for supply and circulation of liquid coating materials — Safety requirements	CEN	20250414	EN 12621:2025	
PV11	框架	Frame	I.02	EN 12810-2:2003	由预制构件制成的外墙脚手架 - 第2部分：结构设计的特殊方法 Façade scaffolds made of prefabricated components - Part 2: Particular methods of structural design	CEN	20031210	CEN-CENELEC - CEN-CENELEC	
PV11	框架	Frame	I.02	EN 12811-1:2003	临时工作设备 - 第1部分：脚手架 - 性能要求和一般设计 Temporary works equipment - Part 1: Scaffolds - Performance requirements and general design	CEN	20040630	CEN-CENELEC - CEN-CENELEC	
PV11	框架	Frame	I.02	EN 12811-3:2002	临时工程设备 - 第3部分：载荷试验 Temporary works equipment - Part 3: Load testing	CEN	20021120	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	I.02	EN 12921-1:2005+A1:2010	使用液体或蒸汽对工业物品进行表面清洁和预处理的机器 - 第1部分：通用安全要求 Machines for surface cleaning and pre-treatment of industrial items using liquids or vapours - Part 1: Common safety requirements	CEN	20100526	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	I.02	EN 12921-2:2005+A1:2008	使用液体或蒸汽对工业物品进行表面清洗和预处理的机器 - 第2部分：使用水基清洗液的机器的安全性 Machines for surface cleaning and pre-treatment of industrial items using liquids or vapours - Part 2: Safety of machines using water based cleaning liquids	CEN	20081126	CEN-CENELEC - CEN-CENELEC	
PV11	起重机	Cranes	I.02	EN 12999:2020+A1:2025	起重机 - 装载起重机 Cranes - Loader cranes	CEN	20250312	CEN-CENELEC - CEN-CENELEC	
PV11	举升工具 起重机	Lifting Tool Crane	I.02	EN 13135:2013+A1:2018	Cranes - Safety - Design - Requirements for equipment	CEN	20180411	https://standards.iteh.ai/catalog/standards/cen/81259d2b-ffc0-45d4-9bd2-85568ffaccce/en-13135-2013a1-2018	
PV11	起重机 举升工具	Crane Lifting Tool	I.02	EN 13135-1:2003+A1:2010	起重机 - 设备 - 第1部分：电气设备 Cranes - Equipment - Part 1: Electrotechnical equipment	CEN	20101116	CEN-CENELEC - CEN-CENELEC	
PV11	起重机 举升工具	Crane Lifting Tool	I.02	EN 13135-2:2004+A1:2010	起重机 - 设备 - 第2部分：非电气设备 Cranes - Equipment - Part 2: Non-electrotechnical equipment	CEN	20101217	CEN-CENELEC - CEN-CENELEC	
PV11	举升工具	Lifting Tool	I.02	EN 13155:2003+A2:2009	起重机 - 安全 - 非固定负载吊附件 Cranes - Safety - Non-fixed load lifting attachments	CEN	20091229	CEN-CENELEC - CEN-CENELEC	
PV11	举升工具	Lifting Tool	I.02	EN 13155:2020+A1:2025	起重机 - 安全 - 非固定负载吊附件 Crane - Safety - Non-fixed load lifting attachments	CEN	20250106	CEN-CENELEC - CEN-CENELEC	
PV11	护栏	Railings	I.02	EN 13374:2013+A1	临时边缘防护系统 - 产品规范 - 测试方法 Temporary edge protection systems - Product specification - Test methods	CEN	20190516	CEN-CENELEC - CEN-CENELEC	
PV11	护栏	Railings	I.02	EN 13374:2013+A1:2018	临时边缘防护系统 — 产品规范 — 测试方法 Temporary edge protection systems - Product specification - Test methods	CEN	20190516	EN 13374:2013+A1:2018	
PV11	护栏	Railings	I.02	EN 13374:2025	临时边缘防护系统 - 产品规范 - 试验方法 Temporary edge protection systems - Product specification - Test methods	CEN	20250407	https://standards.iteh.ai/catalog/standards/cen/ba90fe8a-57dc-4708-aef3-317c42895c34/en-13374-2025	
PV11	机械	Machinery	I.02	EN 13418:2013	塑料和橡胶机械 - 薄膜或薄片卷绕机 - 安全要求 Plastics and rubber machines - Winding machines for film or sheet - Safety requirements	CEN	20230529	CEN-CENELEC - CEN-CENELEC	
PV11	软管和软管总成	Hoses and hose assemblies	I.02	EN 13483:2022	Rubber and plastic hoses and hose assemblies with internal vapour recovery for measured fuel dispensing systems — Specification 用于计量加油系统的带内部油气回收功能的橡胶和塑料软管及软管组件——规范	CEN	20221012	https://standards.iteh.ai/catalog/standards/cen/35ecac5b-ed36-4db3-8075-5474075a1a91/en-13483-2022	
PV11	软管和软管总成	Hoses and hose assemblies	I.02	EN 1360:2013	Rubber and plastic hoses and hose assemblies for measured fuel dispensing systems — Specification 橡胶和塑料软管及软管组件用于计量加油系统——规范	CEN	20130619	https://standards.iteh.ai/catalog/standards/cen/a53e0a2d-0c96-4278-a45a-c7223745d453/en-1360-2013	
PV11	机械	Machinery	I.02	EN 1398:2009	码头装卸货平台 - 安全要求 Dock levellers - Safety requirements	CEN	20090318	CEN-CENELEC - CEN-CENELEC	

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PV11	机动车辆的停车库系统	Parking System of motor vehicles	I.02	EN 14010:2003+A1:2009	机械安全 - 机动车辆动力驱动停车设备 - 设计、制造、安装和调试阶段的安全和 EMC 要求 Safety of machinery - Equipment for power driven parking of motor vehicles - Safety and EMC requirements for design, manufacturing, erection and commissioning stages	CEN	20090715	CEN-CENELEC - CEN-CENELEC	
PV11	起重机	Cranes	I.02	EN 14238:2004+A1:2009	起重机 - 手动控制负载操纵装置 Cranes - Manually controlled load manipulating devices	CEN	20090812	CEN-CENELEC - CEN-CENELEC	
PV11	起重机	Crane	I.02	EN 14439:2006+A2	起重机-安全-塔吊 Cranes - Safety - Tower cranes	CEN	20090930	CEN-CENELEC - CEN-CENELEC	
PV11	起重机	Cranes	I.02	EN 14439:2025	起重机 - 安全 - 塔式起重机 Cranes - Safety - Tower cranes	CEN	20250625	CEN-CENELEC - CEN-CENELEC	
PV11	链式起重机 钢丝绳葫芦	Chain Hoist Rope hoist	I.02	EN 14492-1:2006+A1:2009	起重机 - 电动卷扬机和葫芦 - 第1部分: 电动卷扬机 Cranes - Power driven winches and hoists - Part 1: Power driven winches	CEN	20091021	CEN-CENELEC - CEN-CENELEC	
PV11	链式起重机 钢丝绳葫芦	Chain Hoist Rope hoist	I.02	EN 14492-1:2006+A1:2009/AC:2010	起重机 - 电动卷扬机和葫芦 - 第1部分: 电动卷扬机 Cranes - Power driven winches and hoists - Part 1: Power driven winches	CEN	20091021	CEN-CENELEC - CEN-CENELEC	
PV11	链式起重机 钢丝绳葫芦	Chain Hoist Rope hoist	I.02	EN 14492-2:2006+A1:2009	起重机 - 电动卷扬机和葫芦 - 第2部分: 电动葫芦 Cranes - Power driven winches and hoists - Part 2: Power driven hoists	CEN	20090930	CEN-CENELEC - CEN-CENELEC	
PV11	链式起重机 钢丝绳葫芦	Chain Hoist Rope hoist	I.02	EN 14492-2:2006+A1:2009/AC:2010	起重机 - 电动卷扬机和葫芦 - 第2部分: 电动葫芦 Cranes - Power driven winches and hoists - Part 2: Power driven hoists	CEN	20090930	CEN-CENELEC - CEN-CENELEC	
PV11	链式起重机 钢丝绳葫芦	Chain Hoist Rope hoist	I.02	EN 14492-2:2019	起重机 - 电动卷扬机和葫芦 - 第2部分: 电动葫芦 Cranes - Power driven winches and hoists - Part 2: Power driven hoists	CEN	20191206	CEN-CENELEC - CEN-CENELEC	
PV11	工作平台	Working Platform	I.02	EN 1495:1997+A2:2009	升降平台 - 职业攀登工作平台 Lifting platforms - Mast climbing work platforms	CEN	20090715	CEN-CENELEC - CEN-CENELEC	
PV11	起重机	Cranes	I.02	EN 14985:2012	起重机 - 旋臂起重机 Cranes — Slewing jib cranes	CEN	20120215	CEN-CENELEC - CEN-CENELEC	
PV11	起重机	Cranes	I.02	EN 15011:2020	起重机 - 桥式和门式起重机 Cranes - Bridge and gantry cranes	CEN	20201209	CEN-CENELEC - CEN-CENELEC	
PV11	起重机	Cranes	I.02	EN 15056:2006+A1:2009	起重机 - 集装箱操作展开器的要求 Cranes — Requirements for container handling spreaders	CEN	20090520	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	I.02	EN 1539:2015	释放可燃物质的干燥箱和烘箱 - 安全要求 Dryers and ovens, in which flammable substances are released - Safety requirements	CEN	20160513	CEN-CENELEC - CEN-CENELEC	
PV11	仓储设备	storage equipment	I.02	EN 15512:2020	Steel static storage systems - Adjustable pallet racking systems - Principles for structural design 钢铁静态存储系统 - 可调式托盘货架系统 - 结构设计原理	CEN	20201125	n/standard/detail/7b26d709160228f5d17556bae59522f7	
PV11	绳索设施	Ropes Course	I.02	EN 15567-1:2015+A1:2020	体育和娱乐设施——绳索设施 Sports and recreational facilities — Ropes courses	CEN	20200331	CEN-CENELEC - CEN-CENELEC	
PV11	仓储设备	storage equipment	I.02	EN 15620:2008	Steel static storage systems - Adjustable pallet racking - Tolerances, deformations and clearances 钢制静态仓储系统——可调节托盘货架——公差、变形与间隙	CEN	20081230	https://genorma.com/en/standards/en-15620-2008	
PV11	仓储设备	storage equipment	I.02	EN 15635:2009	STEEL STATIC STORAGE SYSTEMS - APPLICATION AND MAINTENANCE OF STORAGE EQUIPMENT 钢制静态仓储系统——仓储设备的应用与维护	CEN	20090101	STEEL STATIC STORAGE SYSTEMS - APPLICATION AND M	
PV11	升降台	Lifting Table	I.02	EN 1570-1:2024	升降台的安全要求 - 第1部分: 可服务至两个固定的着陆点的升降台 Safety requirements for lifting tables - Part 1: Lifting tables serving up to two fixed landing	CEN	20240916	CEN-CENELEC - CEN-CENELEC	
PV11	升降台	Lifting Table	I.02	EN 1570-2:2016	升降台的安全要求--第 2 部分: 为建筑物 2 个以上固定着陆点服务的升降台, 用于提升垂直移动速度不超过 0.15 米/秒的货物 Safety requirements for lifting tables - Part 2: Lifting tables serving more than 2 fixed landings of a building, for lifting goods with a vertical travel speed not exceeding 0,15 m/s	CEN	20161116	CEN-CENELEC - CEN-CENELEC	
PV11	门	Doors	I.02	EN 16005:2023+A1:2024	电动行人门 - 使用安全 - 要求和测试方法 Power operated pedestrian doorsets - Safety in use - Requirements and test methods	CEN	20240327	CEN-CENELEC - CEN-CENELEC	
PV11	工业用卡车	Industrial Truck	I.02	EN 16307-1:2020	工业用卡车--安全要求和验证--第 1 部分: 对自走式工业用卡车 (无人驾驶卡车、可变运距卡车和载重卡车除外) 的补充要求 Industrial trucks - Safety requirements and verification - Part 1: Supplementary requirements for self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks	CEN	20200826	CEN-CENELEC - CEN-CENELEC	
PV11	工业用卡车 堆叠机械	Industrial Truck Stacking Machine	I.02	EN 16307-5:2023	工业用卡车--安全要求和验证--第 5 部分: 对行人驾驶卡车的补充要求 Industrial trucks - Safety requirements and verification - Part 5: Supplementary requirements for pedestrian-propelled trucks	CEN	20231220	CEN-CENELEC - CEN-CENELEC	

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PV11	工业用卡车	Industrial Truck	I.02	EN 16307-6:2014	工业用卡车--安全要求和验证--第 6 部分: 对运载工具和人员的补充要求 Industrial trucks - Safety requirements and verification - Part 6: Supplementary requirements for burden and personnel carriers	CEN	20140402	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	I.02	EN 16474:2015	塑料和橡胶机械 - 轮胎硫化机 - 安全要求 Plastics and rubber machines - Tyre curing machines - Safety requirements	CEN	20150401	CEN-CENELEC - CEN-CENELEC	
PV11	起重机	Cranes	I.02	EN 16851:2017+A1:2020	起重机 - 轻型起重机系统 Cranes - Light crane systems	CEN	20201216	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	I.02	EN 16985:2018	有机涂料材料喷涂房 - 安全要求 Spray booths for organic coating material - Safety requirements	CEN	20200204	CEN-CENELEC - CEN-CENELEC	
PV11	举升工具	Lifting Tool	I.02	EN 17206:2020	娱乐技术 舞台和其他生产区域的机械 安全要求和检查 Entertainment technology - Machinery for stages and other production areas - Safety requirements and inspections	CEN	20211013	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	I.02	EN 17206:2020/AC:2021	娱乐技术 舞台和其他生产区域的机械 安全要求和检查 Entertainment technology - Machinery for stages and other production areas - Safety requirements and inspections	CEN	20211013	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	I.02	EN 17206-2:2023	娱乐技术舞台和其他生产区域的机械第2部分: 看台和桁架升降机的安全要求 Entertainment technology - Machinery for stages and other production areas - Part 2: Safety requirements for stands and truss lifts	CEN	20231220	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	I.02	EN 17206-2:2023	娱乐技术 - 舞台和其他制作区域的机械 - 第 2 部分: 看台和桁架升降机的安全要求 Entertainment technology - Machinery for stages and other production areas - Part 2: Safety requirements for stands and truss lifts	CEN	20231220	CEN-CENELEC - CEN-CENELEC	
PV11	工作平台	Working Platform	I.02	EN 1808:2015	悬挂式作业设备的安全要求 - 设计计算、稳定性标准、结构 - 检查和测试 Safety requirements for suspended access equipment — Design calculations, stability criteria, construction — Examinations and tests	CEN	20150804	CEN-CENELEC - CEN-CENELEC	
PV11	排风和空调设备	Ventilation and air-conditioning	I.02	EN 1886:2007	建筑通风 - 空气处理机组 - 机械性能 Ventilation for buildings - Air handling units - Mechanical performance	CEN	20071205	CEN-CENELEC - CEN-CENELEC	
PV11	排风和空调设备	Ventilation and air-conditioning	I.02	EN 1886:2025	建筑通风 — 空气处理机组 — 机械性能 Ventilation for buildings - Air handling units - Mechanical performance	CEN	20250601	CEN-CENELEC - CEN-CENELEC	
PV11	机场地勤设备	Aircraft ground support equipment	I.02	EN 1915-1: 2023	Aircraft ground support equipment- General requirements Part1: Basic safety requirements机场地勤设备-安全要求第1部分-基本安全要求	CEN	20250201	https://standards.iteh.ai/catalog/standards/cen/7f206a58-d4da-47d8-bc5c-7129a34c646/en-12621-2025	
PV11	机场地勤设备	Aircraft ground support equipment	I.02	EN 1915-2:2001+A1:2009	Aircraft ground support equipment- General requirements Part 2: Stability and strength requirements, calculations and test methods机场地勤设备-安全要求第2部分-稳定性及强度要求, 计算及测试方法	CEN	20190101	https://standards.iteh.ai/catalog/standards/cen/75b86aae-c8ae-4192-891e-0937f857bace/en-13374-2013a1-2018	
PV11	机场地勤设备	Aircraft ground support equipment	I.02	EN 1915-3:2004+A1:2009	Aircraft ground support equipment- General requirements Part3: Vibration measurement methods and reduction 机场地勤设备-安全要求-基本安全要求第3部分: 振动测试方法及减小	CEN	20250501	https://standards.iteh.ai/catalog/standards/cen/ba90fe8a-57dc-4708-aef3-317c42895c34/en-13374-2025	
PV11	机场地勤设备	Aircraft ground support equipment	I.02	EN 1915-4:2004+A1:2009	Aircraft ground support equipment- General requirements Part4: Noise measurement methods and reduction机场地勤设备-安全要求-基本安全要求第4部分: 噪音测试方法及减小	CEN	20150401	https://standards.iteh.ai/catalog/standards/clc/7cab424a-f4e9-4956-89db-21c4d9f77f8b/en-60335-2-103-2015	
PV11	机械	Machinery	I.02	EN 1953:2013	用于涂层材料的雾化和喷涂设备 - 安全要求 Atomising and spraying equipment for coating materials - Safety requirements	CEN	20130904	CEN-CENELEC - CEN-CENELEC	
PV11	机械 移动式工作平台	Machinery Mobile working platform	I.02	EN 280-1:2022	移动升降工作平台 - 设计、计算、安全要求和测试方法 Mobile elevating work platforms — Design, calculations, safety requirements and test methods	CEN	20220216	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	I.02	EN 289:2014	塑料和橡胶机械 - 压缩成型机和传递成型机 - 安全要求 Plastics and rubber machines - Compression moulding machines and transfer moulding machines - Safety requirements	CEN	20140618	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	I.02	EN 378-2:2016	制冷系统和热泵--安全 and 环境要求--第 2 部分: 设计、建造、测试、标识和文件编制 Refrigerating systems and heat pumps - Safety and environmental requirements - Part 2: Design, construction, testing, marking and documentation	CEN	20161130	CEN-CENELEC - CEN-CENELEC	

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PV11	堆垛机 机械 生产线	Rail dependent storage and retrieval equipment Machinery Production line	1.02	EN 528:2021+A1:2022	堆垛机-堆垛机的安全要求 Rail dependent storage and retrieval equipment - Safety requirements for S/R machines	CEN	20220713	CEN-CENELEC - CEN-CENELEC	
PV11	控制柜 机械 工业机器人 空气过滤单元 处理设备 停车系统 提升平台 机场地勤设备 激光设备 生产线	Control cabinet Machinery Industrial Robot Air Filter Unit Treatment Device Parking System of motor vehicles Lifting Table Aircraft ground support equipment Laser Equipment Production line	1.02	EN 60204-1:2018	机械安全 - 机械的电气设备 - 第1部分：通用要求 Safety of machinery - Electrical equipment of machines - Part 1: General requirements	CEN	20190314	CEN-CENELEC - CEN-CENELEC	
PV11	起重机	Crane	1.02	EN 60204-32:1998	机械安全 机械电气设备第32部分：起重机械要求 Requirements of Machinery - Electrical Equipment of Machines Part 32: Requirements for Hoisting Machines	CEN	19981215	CEN-CENELEC - CEN-CENELEC	
PV11	起重机 堆垛机 机械 移动式工作平台 链式起重机 钢丝绳葫芦	Cranes Rail dependent storage and retrieval equipment Machinery Mobile working platform Chain hoist Rope hoist	1.02	EN 60204-32:2008	机械安全 - 机械电气设备 - 第32部分：起重机械的要求 Safety of machinery - Electrical equipment of machines - Part 32: Requirements for hoisting machines	CEN	20080905	CEN-CENELEC - CEN-CENELEC	
PV11	门	Doors	1.02	EN 60335-2-103:2015	家用及类似用途电器 - 安全 - 第2-103部分：门、窗和大门驱动装置的特殊要求Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows	CEN	20150319	EN 60335-2-103:2015	
PV11	机械	Machinery	1.02	EN 60519-10:2013	电加热装置的安全--第 10 部分：工业和商业应用中电阻式电伴热系统的特殊要求 Safety in electroheating installations - Part 10: Particular requirements for electrical resistance trace heating systems for industrial and commercial applications	CEN	20130501	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 60519-11:2007	电热装置的安全--第 11 部分：利用电磁力对液态金属产生影响的装置的特殊要求 Safety in electroheat installations - Part 11: Particular requirements for installations using the effect of electromagnetic forces on liquid metals	CEN	20070921	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 60519-3:2005	电热装置的安全--第 3 部分：感应加热、传导加热和感应熔化装置的特殊要求 Safety in electroheat installation-Part 3: Particular requirements for induction and conduction heating and induction melting installations	CEN	20050601	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 60519-7:2008	电热装置的安全--第 7 部分：带电子枪装置的特殊要求 Safety in electroheat installations - Part 7: Particular requirements for installations with electron guns	CEN	20081205	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 60519-9:2005	电热装置的安全--第 9 部分：高频电介质加热装置的特殊要求 Safety in electroheat installations - Part 9: Particular requirements for high-frequency dielectric heating installations	CEN	20051117	CEN-CENELEC - CEN-CENELEC	
PV11	控制柜 控制盒	Control Cabinet Control Box	1.02	EN 60529:1991/A2:2013/AC:2019-02	外壳提供的防护等级 (IP代码) Degrees of protection provided by enclosures (IP Code)	CEN	20190222	CEN-CENELEC - CEN-CENELEC	
PV11	焊接设备	Welding machine	1.02	EN 60974-6:2016	弧焊设备--第 6 部分：有限任务设备 Arc welding equipment - Part 6: Limited duty equipment	CEN	20160115	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 61010-1:2010/A1:2019/AC:2019-04	测量、控制和实验室用电气设备的安全要求--第 1 部分：通用要求 Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements	CEN	20190426	CEN-CENELEC - CEN-CENELEC	
PV11	电缆桥架	Cable tray	1.02	EN 61537:2007	电缆管理 - 电缆托盘系统和电缆梯架系统 Cable management - Cable tray systems and cable ladder systems	CEN	20160420	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 617:2001+A1:2010	连续搬运设备和系统--筒仓、料仓、料仓和料斗中散装物料储存设备的安全和电磁兼容要求 Continuous handling equipment and systems - Safety and EMC requirements for the equipment for the storage of bulk materials in silos, bunkers, bins and hoppers	CEN	20101208	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 618:2002+A1:2010	连续搬运设备和系统 - 机械搬运散装物料设备（固定带式输送机除外）的安全和电磁兼容性要求 Continuous handling equipment and systems - Safety and EMC requirements for equipment for mechanical handling of bulk materials except fixed belt conveyors	CEN	20101208	CEN-CENELEC - CEN-CENELEC	
PV11	机械 生产线	Machinery Production Line	1.02	EN 619:2022	连续搬运设备与系统 - 单元货物机械搬运设备的安全要求 Continuous handling equipment and systems - Safety requirements for equipment for mechanical handling of unit loads	CEN	20220330	CEN-CENELEC - CEN-CENELEC	

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PV11	机械	Machinery	1.02	EN 620:2021	连续搬运设备和系统 - 散装物料固定带式输送机的安全要求 Continuous handling equipment and systems - Safety requirements for fixed belt conveyors for bulk materials	CEN	20211006	CEN-CENELEC - CEN-CENELEC	
PV11	焊接设备 控制柜	Welding machine Control Cabinet	1.02	EN 62135-1:2015+AC:2016	电阻焊设备 - 第1部分：设计、制造和安装的安全要求 Resistance welding equipment - Part 1: Safety requirements for design, manufacture and installation	CEN	20170703	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 746-1:1997+A1:2009	工业热加工设备 - 第1部分：工业热加工设备的通用安全要求 Industrial thermoprocessing equipment - Part 1: Common safety requirements for industrial thermoprocessing equipment	CEN	20090812	CEN-CENELEC - CEN-CENELEC	
PV11	处理设备 机械	Treatment Device Machinery	1.02	EN 746-2:2010	工业热处理设备 - 第2部分：燃烧和燃料处理系统的安全要求 Industrial thermoprocessing equipment - Part 2: Safety requirements for combustion and fuel handling systems	CEN	20101217	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 746-3:2021	工业热处理设备 - 第3部分：气氛气体的生成和使用的安全要求 Industrial thermoprocessing equipment - Part 3: Safety requirements for the generation and use of atmosphere gases	CEN	20220516	EN 746-3:2021	
PV11	泵	Pump	1.02	EN 809:1998+A1:2009/AC:2010	用于液体的泵和泵机组 - 通用安全要求 Pumps and pump units for liquids - Common safety requirements	CEN	20100714	CEN-CENELEC - CEN-CENELEC	
PV11	电梯	Elevator	1.02	EN 81-20:2020	电梯制造和安装安全规则 - 载人和载货电梯 - 第20部分：乘客电梯和载货电梯 Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 20: Passenger and goods passenger lifts	CEN	20200219	CEN-CENELEC - CEN-CENELEC	
PV11	升降设备	Lifting device	1.02	EN 81-43:2025	升降机制造和安装安全规则 - 人员和货物运输专用升降机 - 第43部分：起重升降机 Safety rules for the construction and installation of lifts - Special lifts for the transport of persons and goods - Part 43: Lifts for cranes	CEN	20250312	CEN-CENELEC - CEN-CENELEC	
PV10	门	Doors	1.02	EN 81-58:2022	升降机的安装和安装规则 - 检验和试验 - 第58部分：着陆门耐火试验 Safety rules for the construction and installation of lifts - Examination and tests - Part 58: Landing doors fire resistance test	CEN	20221130	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN 869:2006+A1:2009	机械安全 - 压力金属压铸装置的安全要求 Safety of machinery - Safety requirements for pressure metal diecasting units	CEN	20090408	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN IEC 60204-11:2019	机械安全 - 机器电气设备 - 第11部分：超过1000V交流电或1500V直流电且不超过36kV设备的要求 Safety of machinery - Electrical equipment of machines - Part 11: Requirements for equipment for voltages above 1 000 V AC or 1 500 V DC and not exceeding 36 kV	IEC	20190125	CEN-CENELEC - CEN-CENELEC	
PV11	起重机 堆垛机 机械 移动式工作平台	Cranes Rail dependent storage and retrieval equipment Machinery Mobile working platform	1.02	EN IEC 60204-32:2025	机械安全 - 机械电气设备 - 第32部分：起重机械的要求 Safety of machinery - Electrical equipment of machines - Part 32: Requirements for hoisting machines	CEN	20250523	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN IEC 60519-1:2020	电热和电磁处理装置的安全 - 第1部分：通用要求 Safety in installations for electroheating and electromagnetic processing - Part 1: General requirements	CEN	20200529	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN IEC 60519-12:2018	电加热和电磁处理装置的安全 - 第12部分：红外线电加热的特殊要求 Safety in installations for electroheating and electromagnetic processing - Part 12: Particular requirements for infrared electroheating	CEN	20180302	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN IEC 60519-4:2022	电热和电磁处理装置的安全 - 第4部分：电弧炉装置的特殊要求 Safety in installations for electroheating and electromagnetic processing - Part 4: Particular requirements for arc furnace installations	CEN	20220204	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN IEC 60519-6:2024/AC:2025-04	电热和电磁处理装置的安全 - 第6部分：高频电介质和微波加热及处理设备的特殊要求 Safety in installations for electroheating and electromagnetic processing - Part 6: Particular requirements for high frequency dielectric and microwave heating and processing equipment	CEN	20250411	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN IEC 60519-8:2020	电加热和电磁处理装置的安全 - 第8部分：电渣重熔炉的特殊要求 Safety in installations for electroheating and electromagnetic processing - Part 8: Particular requirements for electroslag remelting furnaces	CEN	20200626	CEN-CENELEC - CEN-CENELEC	
PV11	焊接设备	Welding machine	1.02	EN IEC 60974-1:2022/A13:2025	弧焊设备 - 第1部分：焊接电源 Arc welding equipment - Part 1: Welding power sources	CEN	20250411	CEN-CENELEC - CEN-CENELEC	
PV11	焊接设备	Welding machine	1.02	EN IEC 60974-11:2021	弧焊设备 - 第11部分：电极夹头 Arc welding equipment - Part 11: Electrode holders	CEN	20210618	CEN-CENELEC - CEN-CENELEC	
PV11	焊接设备	Welding machine	1.02	EN IEC 60974-13:2021	弧焊设备 - 第13部分：焊接电流回流夹钳 Arc welding equipment - Part 13: Welding current return clamp	CEN	20210618	CEN-CENELEC - CEN-CENELEC	
PV11	焊接设备	Welding machine	1.02	EN IEC 60974-2:2019	弧焊设备 - 第2部分：液体冷却系统 Arc welding equipment - Part 2: Liquid cooling systems	CEN	20190426	CEN-CENELEC - CEN-CENELEC	

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PV11	焊接设备	Welding machine	1.02	EN IEC 60974-3:2019	电弧焊接设备 - 第 3 部分: 电弧冲击和稳定装置 Arc welding equipment - Part 3: Arc striking and stabilizing devices	CEN	20191108	CEN-CENELEC - CEN-CENELEC	
PV11	焊接设备	Welding machine	1.02	EN IEC 60974-5:2019	弧焊设备 - 第 5 部分: 送丝机 Arc welding equipment - Part 5: Wire feeders	CEN	20190426	CEN-CENELEC - CEN-CENELEC	
PV11	焊接设备	Welding machine	1.02	EN IEC 60974-7:2019	弧焊设备 - 第 7 部分: 焊枪 Arc welding equipment - Part 7: Torches	CEN	20191108	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN IEC 61010-2-091:2021/A11:2021	测量、控制和实验室用电气设备的安全要求 - 第2-091部分: 柜式X射线系统的特殊要求 Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet X-ray systems	CENELEC	20221005	CEN-CENELEC - CEN-CENELEC	
PV11	低压控制装置组件	Low-voltage switchgear and controlgear assemblies	1.02	EN IEC 61439-1:2021/AC:2023-11	低压开关设备和控制装置组件 - 第 1 部分: 通用规则 Low-voltage switchgear and controlgear assemblies - Part 1: General rules	CEN	20231117	CEN-CENELEC - CEN-CENELEC	
PV11	低压控制装置组件	Low-voltage switchgear and controlgear assemblies	1.02	EN IEC 61439-2:2021	低压开关设备和控制装置组件 - 第 2 部分: 电源开关设备和控制装置组件 Low-voltage switchgear and controlgear assemblies - Part 2: Power switchgear and controlgear assemblies	CEN	20210521	CEN-CENELEC - CEN-CENELEC	
PV11	安全装置 机械	Safety Device Machinery	1.02	EN IEC 62061:2021	机器安全 - 安全相关控制系统的功能安全 Safety of machinery - Functional safety of safety-related control systems	CEN	20210723	CEN-CENELEC - CEN-CENELEC	
PV11	控制柜	Control cabinet	1.02	EN IEC 62208:2023	用于低压开关设备和控制装置组件的空外壳 - 通用要求 Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements	CEN	20230601	CEN-CENELEC - CEN-CENELEC	
PV11	工业机器人	Industrial Robot	1.02	EN ISO 10218-1:2011	机器人与机器人设备 - 工业机器人安全要求 - 第1部分: 机器人 Robots and robotic devices - Safety requirements for industrial robots - Part 1: Robots	CEN	20110701	CEN-CENELEC - CEN-CENELEC	
PV11	工业机器人	Industrial Robot	1.02	EN ISO 10218-1:2025	机器人与机器人设备 - 工业机器人安全要求 - 第1部分: 机器人 Robots and robotic devices - Safety requirements for industrial robots - Part 1: Robots	CEN	20250312	CEN-CENELEC - CEN-CENELEC	
PV11	工业机器人	Industrial Robot	1.02	EN ISO 10218-2:2011	机器人技术 - 安全要求 - 第2部分: 工业机器人应用与机器人单元 Robotics - Safety requirements - Part 2: Industrial robot applications and robot cells	CEN	20110701	CEN-CENELEC - CEN-CENELEC	
PV11	工业机器人	Industrial Robot	1.02	EN ISO 10218-2:2025	机器人技术 - 安全要求 - 第2部分: 工业机器人应用与机器人单元 Robotics - Safety requirements - Part 2: Industrial robot applications and robot cells	CEN	20250312	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN ISO 11111-1:2016	纺织机械 - 安全要求 - 第1部分: 通用要求 Textile machinery - Safety requirements - Part 1: Common requirements	CEN	20161012	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN ISO 11111-7:2005/A2:2016	纺织机械 - 安全要求 - 第7部分: 染色和整理机械 extile machinery - Safety requirements - Part 7: Dyeing and finishing machinery	CEN	20160715	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN ISO 11111-7:2005+A1+A2	纺织机械 - 安全要求 - 第7部分: 染色和整理机械 extile machinery - Safety requirements - Part 7: Dyeing and finishing machinery	CEN	20160715	CEN-CENELEC - CEN-CENELEC	
PV11	激光设备 机械	Laser Equipment Machinery	1.02	EN ISO 11553-1:2020	机械安全 - 激光加工机械 - 第1部分: 一般安全要求 Safety of machinery - Laser processing machines - Part 1: Laser safety requirements	CEN	20201031	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN ISO 11553-1:2020+A11	机械安全 - 激光加工机床 - 第1部分: 激光安全要求 Safety of machinery - Laser processing machines - Part 1: Laser safety requirements	CEN	20210317	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN ISO 12100:2010	机械安全 - 设计通则 - 风险评估和风险减少 Safety of machinery — General principles for design — Risk assessment and risk reduction	ISO	20101101	ISO - Store	
PV11	机械	Machinery	1.02	EN ISO 12643-1:2023	制图技术--制图技术设备和系统的安全要求--第1部分: 印前和印刷设备和系统 Graphic technology - Safety requirements for graphic technology equipment and systems - Part 1: General requirements	CEN	20231213	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN ISO 12643-2:2023	制图技术--制图技术设备和系统的安全要求--第2部分: 印前和印刷设备和系统 Graphic technology - Safety requirements for graphic technology equipment and systems - Part 2: Prepress and press equipment and systems	CEN	20231213	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN ISO 12643-3:2023	制图技术--制图技术设备和系统的安全要求--第3部分: 装订和整饰设备和系统 Graphic technology - Safety requirements for graphic technology equipment and systems - Part 3: Binding and finishing equipment and systems	CEN	20231213	CEN-CENELEC - CEN-CENELEC	

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PV11	机械	Machinery	1.02	EN ISO 12643-4:2023	制图技术--制图技术设备和系统的安全要求--第 4 部分: 转换设备和系统 Graphic technology - Safety requirements for graphic technology equipment and systems - Part 4: Converting equipment and systems	CEN	20231213	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN ISO 12643-5:2023	制图技术--制图技术设备和系统的安全要求--第 5 部分: 手动进纸独立压板印刷机 Graphic technology - Safety requirements for graphic technology equipment and systems - Part 5: Manually-fed stand-alone platen presses	CEN	20231213	CEN-CENELEC - CEN-CENELEC	
PV11	机械 工业机器人	Machinery Industrial Robot	1.02	EN ISO 13849-1:2023	机械安全 — 控制系统的安全相关部分 第1部分: 设计通则 Safety of machinery — Safety-related parts of control systems Part 1: General principles for design	CEN	20230517	CEN-CENELEC - CEN-CENELEC	
PV11	机械 护栏	Machinery Guards	1.02	EN ISO 14120:2015	机械安全--防护装置--固定和活动的护装置设计和构造的一般要求 Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards	CEN	20151106	CEN-CENELEC - CEN-CENELEC	
PV11	护栏	Railings	1.02	EN ISO 14122-3:2016	机械安全 - 永久使用机械设备 - 第3部分:楼梯 梯田和护栏 Safety of machinery - Permanent means of access to machinery - Part 3: Stairs, stepladders and guard-rails	CEN	20161231	CEN-CENELEC - CEN-CENELEC	
PV11	机械 梯子	Machinery Ladder	1.02	EN ISO 14122-4:2016	机械安全--进入机械的永久通道--第 4 部分: 固定梯子 Safety of machinery - Permanent means of access to machinery - Part 4: Fixed ladders	CEN	20160527	CEN-CENELEC - CEN-CENELEC	
PV11	车辆	Vehicle	1.02	EN ISO 19296:2018	矿山和土方机械 - 地下工作的移动式机械 - 机器安全 Mining - Mobile machines working underground - Machine safety	CEN	20181128	CEN-CENELEC - CEN-CENELEC	
PV11	车辆	Vehicle	1.02	EN ISO 19296:2018	采矿 — 地下作业的移动机械 — 机械安全 Mining — Mobile machines working underground — Machine safety	ISO	20181101	— Mobile machines working underground — Machine safety	
PV11	工业用卡车 堆叠机械	Industrial Truck Stacking Machine	1.02	EN ISO 24134:2006	工业用卡车--卡车自动功能的附加要求 Industrial trucks - Additional requirements for automated functions on trucks	CEN	20181003	CEN-CENELEC - CEN-CENELEC	
PV11	工业用卡车 堆叠机械	Industrial Truck Stacking Machine	1.02	EN ISO 3691-1:2015/A1:2020	工业用卡车--安全要求和验证--第 1 部分: 自式工业用卡车 (无人驾驶卡车、可伸缩式卡车和载重卡车除外) --修订 1 Industrial trucks - Safety requirements and verification - Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks - Amendment 1	CEN	20200527	CEN-CENELEC - CEN-CENELEC	
PV11	工业用卡车	Industrial Truck	1.02	EN ISO 3691-4:2023	工业用卡车--安全要求和验证--第 4 部分: 无人驾驶工业用卡车及其系统 Industrial trucks - Safety requirements and verification - Part 4: Driverless industrial trucks and their systems	CEN	20230719	CEN-CENELEC - CEN-CENELEC	
PV11	工业用卡车	Industrial Truck	1.02	EN ISO 3691-5:2014/Amd 1:2020	工业用卡车--安全要求和验证--第5部分: 行人驾驶卡车--修订1 Industrial trucks - Safety requirements and verification - Part 5: Pedestrian-propelled trucks - Amendment 1	CEN	20200527	CEN-CENELEC - CEN-CENELEC	
PV11	工业用卡车	Industrial Truck	1.02	EN ISO 3691-6:2021	工业用卡车--安全要求和验证--第 6 部分: 载重和人员运输车 Industrial trucks - Safety requirements and verification - Part 6: Burden and personnel carriers	CEN	20211027	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN ISO 4413:2010	液压流体动力--系统及其部件的一般规则和安全要求 Hydraulic fluid power - General rules and safety requirements for systems and their components	CEN	20101115	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.02	EN ISO 4414:2010	气动流体动力--系统及其部件的一般规则和安全要求 Pneumatic fluid power - General rules and safety requirements for systems and their components	CEN	20101115	CEN-CENELEC - CEN-CENELEC	
PV11	焊接变压器	Welding transformer	1.02	EN ISO 5826:2014	电阻焊接设备——变压器——适用于所有变压器的一般规范 Resistance welding equipment — Transformers — General specifications applicable to all transformers	CEN	20140201	CEN-CENELEC - CEN-CENELEC	
PV11	焊接设备	Welding machine	1.02	EN ISO 669: 201 6	电阻焊接 - 电阻焊接设备 - 机械和电气要求 Resistance welding - Resistance welding equipment - Mechanical and electrical requirements	CEN	20160316	CEN-CENELEC - CEN-CENELEC	
PV11	发电机	Generator	1.02	EN ISO 8528-13:2016	往复式内燃机驱动交流发电机组 - 第13部分: 安全 Reciprocating internal combustion engine driven alternating current generating sets - Part 13: Safety	ISO	20160501	ISO - Store	
PV11	电梯 自动扶梯	Elevator Escalator	1.02	GB/T 30559.1-2014	电梯、自动扶梯和自动人行道的能量性能 第1部分: 能量测量与验证	中华人民共和国国家质量监督检验检疫总局、中国国家标准化管理委员会	20140506	https://www.spc.org.cn/	
PV11	电梯 自动扶梯	Elevator Escalator	1.02	GB/T 30559.2-2017	电梯、自动扶梯和自动人行道的能量性能第 2部分: 电梯的能量计算与分级	中华人民共和国国家质量监督检验检疫总局、中国国家标准化管理委员会	20171014	https://www.spc.org.cn/	
PV11	自动扶梯	Escalator	1.02	GB/T 30559.3-2017	电梯、自动扶梯和自动人行道的能量性能 自动人行道的能量计算与分级第3部分:自动扶梯和自动人行道 Energy performance of lifts, escalators and moving walks-Part 3: Energy calculation and classification of escalators and moving walks	中华人民共和国国家质量监督检验检疫总局、中国国家标准化管理委员会	20171014	国家标准 - 全国标准信息公共服务平台	

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PV11	电梯	Elevator	1.02	GB/T 39172:2020	电梯用非钢丝绳悬挂装置 Non-steel wire rope suspension means for lifts	国家市场监督管理总局 中国国家标准化管理委员会	20201119	国家标准GB/T 39172-2020	
PV11	控制柜 机械	Control cabinet Machinery	1.02	IEC 60204-1:2005	机械安全 - 机械的电气设备 - 第1部分: 通用要求 Safety of machinery - Electrical equipment of machines - Part 1: General requirements	IEC	20051025	IEC 60204-1:2005 IEC	
PV11	发电机	Generator	1.02	IEC 60204-1:2009	机械安全 - 机械的电气设备 - 第1部分: 一般要求 Safety of machinery - Electrical equipment of machines - Part 1: General requirements	CEN	20091229	CEN-CENELEC - CEN-CENELEC	
PV11	移动工作平台 控制柜 机械 车辆 工业机器人 空气过滤单元 处理设备	Mobile Working Platform Control Cabinet Machinery Vehicle Industrial Robot Air Filter Unit Treatment Device	1.02	IEC 60204-1:2016	机械安全 - 机器电气设备 - 第1部分: 一般要求 Safety of machinery - Electrical equipment of machines - Part 1: General requirements	IEC	20161013	IEC Webstore homepage IEC	
PV11	控制柜 机械 工业机器人 空气过滤单元 处理设备 停车系统 提升平台 机场地勤设备 激光设备 工业卡车 自动引导车 电源	Control cabinet Machinery Industrial Robot Air Filter Unit Treatment Device Parking System of motor vehicles Lifting Table Aircraft ground support equipment Laser Equipment Industrial Truck Automated Guided Vehicle Power Supply	1.02	IEC 60204-1:2016+AMD1: 2021	机械安全 - 机械的电气设备 - 第1部分: 一般要求 Safety of machinery - Electrical equipment of machines - Part 1: General requirements	IEC	20210915	60204-1:2016+AMD1:2021 CSV IEC	
PV11	机械	Machinery	1.02	IEC 61010-1:2010+AMD1:2016	测量、控制和实验室用电气设备的安全要求 - 第1部分: 通用要求 Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements	IEC	20190426	61010-1:2010+AMD1:2016 CSV IEC	
PV11	机械	Machinery	1.02	IEC 61010-2-091:2021/A11:2021	测量、控制和实验室用电气设备的安全要求 - 第2-091部分: 柜式X射线系统的特殊要求 Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet X-ray systems	IEC	20220401	IEC Webstore homepage IEC	
PV11	机械	Machinery	1.02	ISO 13849-2:2012	机器安全 - 控制系统中的安全相关零部件 - 第一部分: 验证 Safety of machinery — Safety-related parts of control systems Part 2: Validation	ISO	20121001	ISO - Store	
PV11	移动工作平台 机械	Mobile Working Platform Machinery	1.02	ISO 16368:2010	移动式升降工作平台 - 设计、计算、安全要求和试验方法 Mobile elevating work platforms — Design, calculations, safety requirements and test methods	ISO	20100515	ISO - Store	
PV11	移动工作平台 机械	Mobile Working Platform Machinery	1.02	ISO 16368:2024	移动式升降工作平台 - 设计、计算、安全要求和试验方法 Mobile elevating work platforms — Design, calculations, safety requirements and test methods	ISO	20240816	ISO - Store	
PV11	机械	Machinery	1.02	ISO 19880-1:2020	Gaseous hydrogen — Fuelling stations — Part 1: General requirements 气态氢 - 加油站 - 第1部分: 一般要求	CIS	20200304	ISO - Store	
PV11	车辆	Vehicle	1.02	ISO 20474-1:2017	土方机械 — 安全性 Earth-moving machinery — Safety	ISO	20170710	ISO - Store	
PV11	电梯	Elevator	1.02	ISO 25745-1:2012	升降梯、自动扶梯和自动过道能量性能 第1部分: 能量测量和验证 Energy performance of lifts, escalators and moving walks - Part 1: Energy measurement and verification	ISO	20121207	ISO - Store	
PV11	电梯 自动扶梯	Elevator Escalator	1.02	ISO 25745-1:2023	电梯、自动扶梯和自动人行道的能量性能 第1部分: 能量测量和验证 Energy performance of lifts, escalators and moving walks — Part 1: Energy measurement and verification	ISO	20230718	ISO - Store	
PV11	电梯	Elevator	1.02	ISO 25745-2:2015	电梯、自动扶梯和自动人行道的能量性能 第2部分: 电梯的能量计算和分类 Energy performance of lifts, escalators and moving walks - Part 2: Energy calculation and classification for lifts (elevators)	ISO	20151104	ISO - Store	
PV11	电梯	Elevator	1.02	ISO 25745-2:2015/Amd 1:2023	电梯、自动扶梯和自动人行道的能量性能 第2部分: 电梯(升降梯)的能量计算和分类 修改件1: 快速区域 Energy performance of lifts, escalators and moving walks — Part 2: Energy calculation and classification for lifts (elevators) — Amendment 1: Express zones	ISO	20231005	ISO - Store	
PV11	自动扶梯	Escalator	1.02	ISO 25745-3:2015	电梯、自动扶梯和自动人行道的能量性能 第3部分: 自动扶梯和移动步行的能量计算与分类 Energy performance of lifts, escalators and moving walks — Part 3: Energy calculation and classification of escalators and moving walks	ISO	20150331	ISO - Store	

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PV11	电梯	Elevator	1.02	ISO 8100-1:2026	乘客电梯与载货电梯 第一部分：乘客电梯和载货电梯的设计安装的安全要求 Lifts for the transport of persons and goods Part 1: Safety rules for the construction and installation of passenger and goods passenger lifts	ISO	20260501	ISO - Store	
PV11	电梯	Elevator	1.02	ISO 8100-2:2026	乘客电梯与载货电梯 第二部分：起升部件的设计规则，计算，测试与验证 Lifts for the transport of persons and goods Part 2: Design rules, calculations, verifications and tests of lift components	ISO	20260301	ISO - Store	
PV11	电梯	Elevator	1.02	ISO 8100-34:2021	人员和货物运输用升降机第34部分:电梯运行质量的测量 Lifts for the transport of persons and goods Part 34: Measurement of lift ride quality	ISO	20211220	ISO - Store	
PV11	自动扶梯	Escalator	1.02	ISO 8103-9:2022	自动扶梯和自动人行道 第9部分：乘坐质量的测量 Escalators and moving walks Part 9: Measurement of ride quality	ISO	20220201	ISO - Store	
PV11	空气压缩机	Air compressor	1.02	ISO 8573-1:2010	压缩空气第1部分:污染物和纯度等级 Compressed air — Part 1: Contaminants and purity classes	ISO	20100406	ISO - Store	
PV11	空气压缩机	Air compressor	1.02	ISO 8573-2:2018	压缩空气 - 污染物测量 - 第2部分:油雾气含量 Compressed air — Contaminant measurement — Part 2: Oil aerosol content	ISO	20180228	ISO - Store	
PV11	空气压缩机	Air compressor	1.02	ISO 8573-5:2025	压缩空气污染物测量第5部分:油蒸气含量 Compressed air — Contaminant measurement Part 5: Oil vapour content	ISO	20250709	ISO - Store	
PV11	护栏	Railings	1.02	NF E85-015:2019	工业设施的组成部分 - 永久性通行设备 - 楼梯、梯子和护栏 Elements of industrial facilities - Permanent means of access - Stairways, stepladders and guardrails	AFNOR	20190719	https://standards.globalspec.com/L	
PV11	机械	Machinery	1.02	NFPA 79:2024	工业机械电气标准 Electrical Standard for Machinery	NFPA	20231221	The List of 300+ Codes and Standards	
PV11	机械 半导体制造设备	Machinery Semiconductor Manufacturing Equipment	1.02	SEMI S6-0618	Environmental, Health, and Safety Guideline for Exhaust Ventilation of Semiconductor Manufacturing Equipment 半导体制造设备排气通风的环境、健康和安全指南	SEMI	20180601	- Environmental, Health, and Safety Guideline for Exh	
PV11	链式起重机 钢丝绳葫芦	Chain Hoist Rope hoist	1.02	SQP2:2024	电动链条起重机 Elektrokettenzug	IGVW	20240301	https://www.igvw.org/standards-der-qualitaet/sqp2/	
PV11	链式起重机 起重机	Chain Hoist Hoist	1.02	UL 1340 MAY 27, 2025	起重机 Hoists	UL	20250527	UL Standards & Engagement UL Standard	
PV11	机械	Machinery	1.02	UL 508A, Edition 3, Issue Date 2018-04-24, Revision Date 2025-06-26	Standard for Industrial Control Panels 安全工业控制面板标准	UL	20250726	UL Standards & Engagement UL Standard	
PV11	电梯	Elevator	1.02	VDI 4707 Blatt 1/Part 1	电梯-能源效率 Lifts - Energy efficiency	VDI	20090301	https://www.vdi.de/en/home/vdi-standards/details/vdi-4707-blatt-1-lifts-energy-efficiency	
PV11	机械 水电解制氢系统	Machinery Water Electrolysis System for Hydrogen Production	1.02/1.06	ISO 22734-1:2025	Hydrogen generators using water electrolysis —Part 1: Safety 水电解制氢器—第一部分：安全	ISO	20250701	ISO - Store	
PV11	控制柜 机械 半导体制造设备	Control cabinet Machinery Semiconductor Manufacturing Equipment	1.02/P.04	EN 60204-33:2011	机械安全 - 机器电气设备 - 第33部分:半导体制造设备的要求 Safety of machinery - Electrical equipment of machines - Part 33: Requirements for semiconductor fabrication equipment	CEN	20120228	CEN-CENELEC - CEN-CENELEC	
PV11	控制柜 机械 半导体制造设备 电源	Control cabinet Machinery Semiconductor Manufacturing Equipment Power Supply	1.02/P.04	IEC 60204-33:2009	机械安全 - 机器电气设备 - 第33部分:半导体制造设备的要求 Safety of machinery - Electrical equipment of machines - Part 33: Requirements for semiconductor fabrication equipment	IEC	20091210	IEC 60204-33:2009 IEC	
PV11	机械 半导体制造设备	Machinery Semiconductor Manufacturing Equipment	1.02/P.04	SEMI S2-0724	半导体制造设备的安全卫生及环保标准 Environmental, Health, and Safety Guideline for Semiconductor Manufacturing Equipment	SEMI	20240701	SEMI标准介绍 SEMI	
PV11	机械 半导体制造设备	Machinery Semiconductor Manufacturing Equipment	1.02/P.04	SEMI S2-0821	半导体制造设备的安全卫生及环保标准 Environmental, Health, and Safety Guideline for Semiconductor Manufacturing Equipment	SEMI	20210801	SEMI标准介绍 SEMI	
PV11	机械 半导体制造设备	Machinery Semiconductor Manufacturing Equipment	1.02/P.04	SEMI S2-0821Ea	半导体制造设备的安全卫生及环保标准 Environmental, Health, and Safety Guideline for Semiconductor Manufacturing Equipment	SEMI	20230301	SEMI标准介绍 SEMI	
PV11	机械 半导体制造设备	Machinery Semiconductor Manufacturing Equipment	1.02/P.04	SEMI S2-0821Ec	半导体制造设备的安全卫生及环保标准 Environmental, Health, and Safety Guideline for Semiconductor Manufacturing Equipment	SEMI	20240101	SEMI标准介绍 SEMI	
PV11	机械 半导体制造设备	Machinery Semiconductor Manufacturing Equipment	1.02/P.04	SEMI S22-0718E	半导体制造设备的安全卫生及环保标准 Environmental, Health, and Safety Guideline for Semiconductor Manufacturing Equipment	SEMI	20180701	SEMI标准介绍 SEMI	
PV11	机械 半导体制造设备	Machinery Semiconductor Manufacturing Equipment	1.02/P.04	SEMI S8-0218	半导体生产设备的人机工程的安全标准 Safety Guidelines for Ergonomics Engineering of Semiconductor Manufacturing Equipment	SEMI	20180201	SEMI标准介绍 SEMI	

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PV11	3D打印机 3D打印机辅助设备 粉末输送机 粉末处理系统 粉末回收装置 选择性激光熔化系统 筛分站	3D Printer 3D printer auxiliary device Powder Conveyor Powder Handling System Powder Returning Unit Selective Laser Melting System Sieving Station	1.03	CEN/TR 15281:2022	潜在爆炸性环境,防爆和防护,防止爆炸的惰性化指南 Potentially explosive atmospheres - Explosion prevention and protection - Guidance on inerting for the prevention of explosions	CEN	20221019	CEN-CENELEC - CEN-CENELEC	
PV11	制药设备 选择性激光熔化系统 流化床	Pharmaceutical equipment Selective Laser Melting System Fluid Bed	1.03	CLC/TR 60079-32-1:2018	爆炸性环境——第32-1部分: 静电危害与指导 Explosive atmospheres - Part 32-1: Electrostatic hazards, guidance	CEN	20181201	CEN-CENELEC - CEN-CENELEC	
PV11	3D打印机 3D打印机辅助设备 传送带 除粉模块 流化床 升降装置 制药设备 粉末输送机 粉末处理系统 粉末回收装置 选择性激光熔化系统 筛分站 次氯酸钠发生器 真空吸尘器 自动封袋机	3D Printer 3D printer auxiliary device Conveyor Depowder Module Fluid Bed Lifting Device Pharmaceutical equipment Powder Conveyor Powder Handling System Powder Returning Unit Selective Laser Melting System Sieving Station Sodium Hypochlorite Generator Vacuum Cleaner Auto Bag Capper	1.03	EN 1127-1:2019	爆炸性环境,防爆和防护,第1部分:基本概念和方法 Explosive atmospheres - Explosion prevention and protection - Part 1: Basic concepts and methodology	CEN	20200229	CEN-CENELEC - CEN-CENELEC	
PV11	3D打印机 3D打印机辅助设备 制药设备 粉末输送机 粉末处理系统 粉末回收装置 选择性激光熔化系统 筛分站 次氯酸钠发生器 真空吸尘器 自动封袋机 流化床	3D Printer 3D printer auxiliary device Pharmaceutical equipment Powder Conveyor Powder Handling System Powder Returning Unit Selective Laser Melting System Sieving Station Sodium Hypochlorite Generator Vacuum Cleaner Auto Bag Capper Fluid Bed	1.03	EN 60079-10-2:2015	爆炸性环境-第10-2部分:区域分类-爆炸性粉尘环境 Explosive atmospheres - Part 10-2: Classification of areas - Explosive dust atmospheres	CEN	20151120	CEN-CENELEC - CEN-CENELEC	
PV17	传感器	Sensors	1.03	EN 60079-11:2012	爆炸性环境,第11部分:由本质安全型 "i" 保护的 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"	CEN	20120316	CEN-CENELEC - CEN-CENELEC	
PV11	传送带 流化床 升降装置 制药设备	Conveyor Fluid Bed Lifting Device Pharmaceutical equipment	1.03	EN 60079-14:2014	爆炸性环境,第14部分:电气装置的设计、选择和安装 Explosive atmospheres - Part 14: Electrical installations design, selection and erection	CEN	20141002	CEN-CENELEC - CEN-CENELEC	
PV11	传送带 升降装置 冷凝泵 泵	Conveyor Lifting Device Condenser Pump Pump	1.03	EN IEC 60079-0:2018	爆炸性环境,第0部分:设备通用要求 Explosive atmospheres - Part 0: Equipment - General requirements	CEN	20190106	CEN-CENELEC - CEN-CENELEC	
PV12	电动执行器	Electric Drive	1.03	EN IEC 60079-0:2018	爆炸性环境,第0部分:设备通用要求 Explosive atmospheres - Part 0: Equipment - General requirements	CEN	20190106	CEN-CENELEC - CEN-CENELEC	
PV11	筛分站 次氯酸钠发生器 流化床	Sieving Station Sodium Hypochlorite Generator Fluid Bed	1.03	EN IEC 60079-10-1:2021	爆炸性环境 - 第 10-1 部分: 区域划分 - 爆炸性气体环境 Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres	CEN	20211022	CEN-CENELEC - CEN-CENELEC	
PV11	冷凝泵 泵	Condenser Pump Pump	1.03	EN IEC 60079-15:2019	爆炸性环境,第15部分:由 "n" 型保护的 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"	CEN	20191019	CEN-CENELEC - CEN-CENELEC	
PV12	电动执行器	Electric Drive	1.03	EN IEC 60079-15:2019	爆炸性环境,第15部分:由 "n" 型保护的 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"	CEN	20191019	CEN-CENELEC - CEN-CENELEC	
PV11	冷凝泵 泵	Condenser Pump Pump	1.03	EN IEC 60079-7:2015/A1:2018	爆炸性环境,第7部分:由增安型 "e" 保护的 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	CEN	20180719	CEN-CENELEC - CEN-CENELEC	
PV12	电动执行器	Electric Drive	1.03	EN IEC 60079-7:2015/A1:2018	爆炸性环境,第7部分:由增安型 "e" 保护的 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	CEN	20180719	CEN-CENELEC - CEN-CENELEC	

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PV11	3D打印机 3D打印机辅助设备 传送带 除粉模块 流化床 升降装置 制药设备 粉末输送机 粉末处理系统 粉末回收装置 选择性激光熔化系统 筛分站 次氯酸钠发生器 真空吸尘器 自动封袋机	3D Printer 3D printer auxiliary device Conveyor Depowder Module Fluid Bed Lifting Device Pharmaceutical equipment Powder Conveyor Powder Handling System Powder Returning Unit Selective Laser Melting System Sieving Station Sodium Hypochlorite Generator Vacuum Cleaner Auto Bag Capper	I.03	EN ISO 80079-36:2016	爆炸性环境 - 第36部分:爆炸性环境的非电气设备 - 基本方法和要求 Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic method and requirements	CEN	20161031	CEN-CENELEC - CEN-CENELEC	
PV11	筛分站	Sieving Station	I.03	GB 3836.15-2024	爆炸性环境 第15部分: 电气装置设计、选型、安装规范 Explosive atmospheres - Part 15: Specification of electrical installations design, selection and erection	国家市场监督管理总局、国家标准化管理委员会	20240724	https://www.spc.org.cn/	
PV11	筛分站	Sieving Station	I.03	GB/T 25285.1-2021	爆炸性环境 爆炸预防和防护 第1部分: 基本原则和方法 Explosive atmospheres—Explosion prevention and protection—Part 1: Basic concepts and methodology	国家市场监督管理总局、国家标准化管理委员会	20211011	https://www.spc.org.cn/	
PV11	负离子发生器 筛分站	Anion Generator Sieving Station	I.03	GB/T 3836.1-2021	爆炸性环境 第1部分: 设备 通用要求 Explosive atmospheres—Part 1: Equipment—General requirements	国家市场监督管理总局、国家标准化管理委员会	20211011	https://www.spc.org.cn/	
PV11	筛分站	Sieving Station	I.03	GB/T 3836.26-2019	爆炸性环境 第26部分: 静电危害 指南 Explosive atmospheres—Part 26: Electrostatic hazards—Guidance	国家市场监督管理总局、国家标准化管理委员会	20191231	https://www.spc.org.cn/	
PV11	筛分站	Sieving Station	I.03	GB/T 3836.28-2021	爆炸性环境 第28部分: 爆炸性环境用非电气设备 基本方法和要求 Explosive atmospheres—Part 28: Non-electrical equipment for explosive atmospheres—Basic method and requirements	国家市场监督管理总局、国家标准化管理委员会	20211011	https://www.spc.org.cn/	
PV11	筛分站	Sieving Station	I.03	GB/T 3836.35-2021	爆炸性环境 第35部分: 爆炸性粉尘环境场所分类 Explosive atmospheres—Part 35: Classification of areas for explosive dust atmospheres	国家市场监督管理总局、国家标准化管理委员会	20211011	https://www.spc.org.cn/	
PV12	负离子发生器	Anion Generator	I.03	GB/T 3836.8-2021	爆炸性环境 第8部分: 由“n”型保护的 Explosive atmospheres—Part 8: Equipment protection by type of protection “n”	国家市场监督管理总局、国家标准化管理委员会	20211011	https://www.spc.org.cn/	
PV16	LED灯	LED-Lamp	I.03	IEC 60079-0:2017	爆炸性环境 - 第0部分:设备通用要求 Explosive atmospheres - Part 0: Equipment - General requirements	IEC	20171213	IEC Webstore homepage IEC	
PV11	冷凝泵 泵	Condenser Pump Pump	I.03	IEC 60079-0:2017	爆炸性环境 - 第0部分:设备通用要求 Explosive atmospheres - Part 0: Equipment - General requirements	IEC	20171213	IEC Webstore homepage IEC	
PV13	电机 发动机	Electric motor Motor	I.03	IEC 60079-0:2017	爆炸性环境 - 第0部分:设备通用要求 Explosive atmospheres - Part 0: Equipment - General requirements	IEC	20171213	IEC Webstore homepage IEC	
PV14	继电器	Relay	I.03	IEC 60079-0:2017	爆炸性环境 - 第0部分:设备通用要求 Explosive atmospheres - Part 0: Equipment - General requirements	IEC	20171213	IEC Webstore homepage IEC	
PV12	负离子发生器 控制器 风扇 发生器 高压熔断器 压力控制器 开关 温度控制器 热保护器 感应线圈 连接器	Anion Generator Controller Fan Generator High-voltage fuse Pressure Controller Switch Temperature Control Thermal Cut Out Induction coil Connector	I.03	IEC 60079-0:2017	爆炸性环境 - 第0部分:设备通用要求 Explosive atmospheres - Part 0: Equipment - General requirements	IEC	20171213	IEC Webstore homepage IEC	
PV13	发动机	Motor	I.03	IEC 60079-0:2017/COR1:2020	爆炸性环境 - 第0部分:设备通用要求 Explosive atmospheres - Part 0: Equipment - General requirements	IEC	20200120	IEC Webstore homepage IEC	
PV12	开关 温度控制器	Switch Temperature Control	I.03	IEC 60079-1:2014	爆炸性环境 第1部分:由隔爆外壳“d”保护的 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures “d”	IEC	20140627	IEC Webstore homepage IEC	
PV17	继电器	Relay	I.03	IEC 60079-1:2014	爆炸性环境 第1部分:由隔爆外壳“d”保护的 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures “d”	IEC	20140627	IEC Webstore homepage IEC	
PV17	传感器	Sensors	I.03	IEC 60079-11:2023	爆炸性环境 第11部分:由本质安全型“i”保护的 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety “i”	IEC	20230113	IEC Webstore homepage IEC	

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PV13	交流接触器 泵	AC Contactor Pump	I.03	IEC 60079-15:2017	爆炸性环境 - 第15部分:由 "n" 型保护的 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"	IEC	20171208	IEC Webstore homepage IEC	
PV17	传感器	Sensors	I.03	IEC 60079-15:2017	爆炸性环境 - 第15部分:由 "n" 型保护的 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"	IEC	20171208	IEC Webstore homepage IEC	
PV11	冷凝泵	Condenser Pump	I.03	IEC 60079-15:2017	爆炸性环境 - 第15部分:由 "n" 型保护的 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"	IEC	20171208	IEC Webstore homepage IEC	
PV14	继电器	Relay	I.03	IEC 60079-15:2017	爆炸性环境 第15部分:由 "n" 型保护的 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"	IEC	20171208	IEC Webstore homepage IEC	
PV12	负离子发生器 控制器 发生器 压力控制器 保护器 开关 温度控制器 热保护器 感应线圈 过载保护器 连接器 启动器 线性执行器	Anion Generator Controller Generator Pressure Controller Protectors Switch Temperature Control Thermal Cut Out Induction coil Overload Protector Connector Starter Linear Actuator	I.03	IEC 60079-15:2017	爆炸性环境 - 第15部分:由 "n" 型保护的 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"	IEC	20171208	IEC Webstore homepage IEC	
PV16	LED灯	LED-Lamp	I.03	IEC 60079-7:2015	爆炸性环境 第7部分:由增安型 "e" 保护的 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	IEC	20150626	IEC Webstore homepage IEC	
PV11	冷凝泵 泵	Condenser Pump Pump	I.03	IEC 60079-7:2015	爆炸性环境 第7部分:由增安型 "e" 保护的 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	IEC	20150626	IEC Webstore homepage IEC	
PV13	电机	Electric motor	I.03	IEC 60079-7:2015	爆炸性环境 第7部分:由增安型 "e" 保护的 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	IEC	20150626	IEC Webstore homepage IEC	
PV12	高压熔断器 连接器	High-voltage fuse Connector	I.03	IEC 60079-7:2015	爆炸性环境 第7部分:由增安型 "e" 保护的 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	IEC	20150626	IEC Webstore homepage IEC	
PV16	LED灯	LED-Lamp	I.03	IEC 60079-7:2015+AMD1:2017	爆炸性气体环境第 7 部分: 由增安型 "e" 保护的 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"	IEC	20170804	IEC Webstore homepage IEC	
PV11	冷凝泵 泵	Condenser Pump Pump	I.03	IEC 60079-7:2015+AMD1:2017	爆炸性气体环境第 7 部分: 由增安型 "e" 保护的 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"	IEC	20170804	IEC Webstore homepage IEC	
PV13	发动机	Motor	I.03	IEC 60079-7:2015+AMD1:2017	爆炸性气体环境第 7 部分: 由增安型 "e" 保护的 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"	IEC	20170804	IEC Webstore homepage IEC	
PV12	控制器 风扇 灯座	Controller Fan Lamp Holder	I.03	IEC 60079-7:2015+AMD1:2017	爆炸性气体环境第 7 部分: 由增安型 "e" 保护的 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"	IEC	20170804	IEC Webstore homepage IEC	
PV13	发动机	Motor	I.03	IEC 60335-2-40:2022	家用电器和类似电器--安全--第 2-40 部分: 电热泵、空调机和除湿机的特殊要求 Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	IEC	20220905	IEC Webstore homepage IEC	
PV17	传感器	Sensors	I.03	IEC 60335-2-40:2024	家用电器和类似电器--安全--第 2-40 部分: 电热泵、空调机和除湿机的特殊要求 Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	IEC	20241211	IEC Webstore homepage IEC	
PV13	发动机	Motor	I.03	IEC 60335-2-40:2024	家用电器和类似电器--安全--第 2-40 部分: 电热泵、空调机和除湿机的特殊要求 Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	IEC	20241211	IEC Webstore homepage IEC	
PV12	控制器 风扇 开关 交流接触器 电机启动器 热保护器	Controller Fan Switch AC contactor Motor Starter Thermal Cut Out	I.03	IEC 60335-2-40:2024	家用电器和类似电器--安全--第 2-40 部分: 电热泵、空调机和除湿机的特殊要求 Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	IEC	20241211	IEC Webstore homepage IEC	

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PV11	3D打印机 3D打印机辅助装置 传送带 升降装置 粉末输送机 粉末处理系统 粉末回收装置 选择性激光烧结化系统 次氯酸钠发生器 自动封袋机 筛分站	3D Printer 3D printer auxiliary device Conveyor Lifting Device Powder Conveyor Powder Handling System Powder Returning Unit Selective Laser Melting System Sodium Hypochlorite Generator Auto Bag Capper Sieving Station	I.03	IEC TS 60079-32-1:2013/AMD1:2017	修改件1——爆炸性环境——第32-1部分:静电危害指南 Amendment 1 - Explosive atmospheres - Part 32-1: Electrostatic hazards, guidance	IEC	20170316	IEC Webstore homepage IEC	
PV11	3D打印机 粉末处理系统	3D Printer Powder Handling System	I.03	IEC TS 60079-32-1:2017	爆炸性环境 - 第 32-1 部分: 静电危害、指南 Explosive atmospheres - Part 32-1: Electrostatic hazards, guidance	IEC	20170316	IEC Webstore homepage IEC	
PV17	传感器	Sensors	I.03	UL 60335-2-40:2022	家用和类似用途电器的安全 第2-40部分:电热泵、空调和除湿器的特殊要求 Household and Similar Electrical Appliances - Safety - Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers	UL	20221215	Purchase UL Standards Online UL Standards & Engagement	
PV12	热保护器	Thermal Cut Out	I.03	UL 60335-2-40:2022	家用和类似用途电器的安全 第2-40部分:电热泵、空调和除湿器的特殊要求 Household and Similar Electrical Appliances - Safety - Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers	UL	20221215	Purchase UL Standards Online UL Standards & Engagement	
PV11	流化床	Fluid Bed	I.03	VDI 2263 Part 5.1	粉尘火灾和粉尘爆炸; 危险、评估、防护措施; 流化床干燥机的爆炸防护; 操作提示和示例 Dust fires and dust explosions; Hazards, assessment, protective measures; Explosion protection in fluid bed dryers; Hints and examples of operation	VDI	20141001	VDI.de/en	
PV07	安全玻璃	Safety Glass	I.05	ANSI Z97.1-2015 (R2020)	建筑用安全玻璃材料 - 安全性能要求及测试方法 For safety glazing materials used in buildings - safety performance specifications and methods of test	ANSI	20200801	https://webstore.ansi.org/SDO/GISC	
PV07	安全玻璃	Safety Glass	I.05	AS/NZS 2208:2023	建筑用安全玻璃材料 Safety glazing materials in buildings	AS & NZS	20231215	Home Standards Australia	
PV07	建筑材料	Building material	I.05	ASTM E119-2026	建筑构件及材料的防火测试标准方法 Standard Test Methods for Fire Tests of Building Construction and Materials	ASTM	20260129	E119 Standard Test Methods for Fire Tests of Building Construction and Materials	
PV07	井盖	Gully tops and manhole tops	I.05	EN 124-1:2015	用于车辆和行人专用区的沟槽顶部和人孔顶部 - 第1部分:定义、分类设计的一般原则、性能要求和试验方法 Gully tops and manhole tops for vehicular and pedestrian areas - Part 1: Definitions, classification, general principles of design, performance requirements and test methods	CEN	20151231	CEN-CENELEC - CEN-CENELEC	
PV07	井盖	Gully tops and manhole tops	I.05	EN 124-2:2015	用于车辆和行人区的沟槽顶部和人孔顶部 - 第2部分:由铸铁制成的沟槽顶部和人孔顶部 Gully tops and manhole tops for vehicular and pedestrian areas - Part 2: Gully tops and manhole tops made of cast iron	CEN	20151231	CEN-CENELEC - CEN-CENELEC	
PV07	防火门	Fire Door	I.05	UL 10C-2026	门的正压防火测试 Positive Pressure Fire Tests of Door Assemblies	UL	20260325	UL 10C UL Standards & Engagement UL Standard	
PV07	建筑材料	Building material	I.05	UL 263-2025	建筑构件及材料的防火测试 Fire tests of building construction and materials	UL	20250902	UL 263 UL Standards & Engagement UL Standard	
PV13	风电塔筒	Wind Turbine Tower	I.06	DNVGL-ST-0126:2021	风力发电机组支撑结构 Support structures for wind turbines	DNV	20211201	DNV-ST-0126 Support structures for wind turbines	
PV13	风力发电机组叶片	Wind Turbines Blade	I.06	DNV-ST-0376:2024	风力发电机组风轮叶片 Rotor blades for wind turbines	DNV	20240401	DNV-ST-0376 Rotor blades for wind turbines	
PV13	风力发电机组 特定场址风力发电机组	Wind Turbines Site-specific wind turbine	I.06	DNV-ST-0437:2024	风力发电机组的载荷和场址条件 Loads and site conditions for wind turbines	DNV	20240501	DNV-ST-0437 Loads and site conditions for wind turbines	
PV13	风电塔筒	Wind Turbine Tower	I.06	EN 1992-1-1:2023	欧盟规范2: 混凝土结构设计 - 第1-1部分: 一般规则和建筑、桥梁和土木工程结构规则 Eurocode 2 - Design of concrete structures - Part 1-1: General rules and rules for buildings, bridges and civil engineering structures	CEN	20231122	CEN-CENELEC - CEN-CENELEC	
PV13	风电塔筒	Wind Turbine Tower	I.06	EN 1992-1-2:2003	欧盟规范2: 混凝土结构设计 - 第1-2部分: 结构防火设计 Eurocode 2: Design of concrete structures - Part 1-2: Structural fire design	CEN	20231122	CEN-CENELEC - CEN-CENELEC	
PV13	风电塔筒	Wind Turbine Tower	I.06	EN 1993-1-1:2022	欧盟规范3: 钢结构设计EN 1993-1-1部分: 一般规定和建筑规定 Eurocode 3: Design of steel structures - Part 1-1: General rules and rules for buildings	CEN	20221109	CEN-CENELEC - CEN-CENELEC	
PV13	风电塔筒	Wind Turbine Tower	I.06	EN 1993-1-10:2025	欧盟规范3: 钢结构设计EN 1993-1-10部分: 材料韧性和全厚度特性 Eurocode 3: Design of steel structures - Part 1-10: Material toughness and through-thickness properties	CEN	20250305	CEN-CENELEC - CEN-CENELEC	

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PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-11:2026	欧盟规范3：钢结构设计 - 第1-11部分：受拉部件 Eurocode 3 - Design of steel structures - Part 1-11: Tension components	CEN	20061025	CEN-CENELEC - CEN-CENELEC	
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-12:2007	欧盟规范3：钢结构设计EN1-12部分：EN 1993扩展至钢等级S700的附加规则 Eurocode 3 - Design of steel structures - Part 1-12: Additional rules for the extension of EN 1993 up to steel grades S 700	CEN	20070228	CEN-CENELEC - CEN-CENELEC	
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-2:2024	欧盟规范3：钢结构设计 - 第1-2部分：一般规则 - 结构防火设计 Eurocode 3: Design of steel structures - Part 1-2: General rules - Structural fire design	CEN	20240320	CEN-CENELEC - CEN-CENELEC	
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-3:2024	欧盟规范3：钢结构设计EN1-3部分：冷成型构件和薄板 Eurocode 3 - Design of steel structures - Part 1-3: Cold-formed members and sheeting	CEN	20240327	CEN-CENELEC - CEN-CENELEC	
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-4:2025	欧盟规范3：钢结构设计EN1-4部分：不锈钢结构 Eurocode 3: Design of steel structures - Part 1-4: Stainless steel structures	CEN	20250305	CEN-CENELEC - CEN-CENELEC	
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-5:2024	欧盟规范3：钢结构设计EN1-5部分：板状结构构件 Eurocode 3: Design of steel structures - Part 1-5: Plated structural elements	CEN	20240320	CEN-CENELEC - CEN-CENELEC	
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-6:2025	欧盟规范3：钢结构设计EN1-6部分：壳体结构的强度与稳定性 Eurocode 3: Design of steel structures - Part 1-6: Strength and stability of shell structures	CEN	20250528	CEN-CENELEC - CEN-CENELEC	
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-7:2025	欧盟规范3：钢结构设计EN1-7部分：具有横向载荷的元件的板组件 Eurocode 3 - Design of steel structures - Part 1-7: Plate assemblies with elements under transverse loads	CEN	20250305	CEN-CENELEC - CEN-CENELEC	
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-8:2024	欧盟规范3：钢结构设计EN1-8部分：接头 Eurocode 3: Design of steel structures - Part 1-8: Joints	CEN	20240327	CEN-CENELEC - CEN-CENELEC	
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-9:2025	欧盟规范3：钢结构设计EN1-9部分：疲劳 Eurocode 3: Design of steel structures - Part 1-9: Fatigue	CEN	20250305	CEN-CENELEC - CEN-CENELEC	
PV13	风电塔筒	Wind Turbine Tower	1.06	fib Model Code 2020	混凝土结构设计模型规范2020 fib Model Code for Concrete Structures (2020)	fib	20210506	Model code - FIB Shop	
PV13	风电塔筒	Wind Turbine Tower	1.06	GB 50017-2017	钢结构设计标准 Standard for design of steel structures	中华人民共和国住房和城乡建设部、中华人民共和国国家质量监督检验检疫总局	20180701		
PV13	风电塔筒	Wind Turbine Tower	1.06	GB 50135-2019	高耸结构设计标准 Standard for design of high-rising structures	中华人民共和国住房和城乡建设部 国家市场监督管理总局	20191224	住房和城乡建设部关于发布国家标准《高耸结构设计标准》的公告	
PV13	特定场址风力发电机组 风电塔筒 风力发电机组 风力发电机组叶片	Site-specific wind turbine Wind Turbine Tower Wind Turbines Wind Turbines Blade	1.06	GB/T 18451.1-2022	风力发电机组 设计要求 Wind turbine generator systems - Design requirements	国家市场监督管理总局、国家标准化管理委员会	20221012	国家标准 - 全国标准信息公共服务平台	
PV13	风力发电机组	Wind Turbines	1.06	GB/T 18451.2-2024	风力发电机组 功率特性测试 Wind turbines—Power-performance-measurements-of-electricity-producing	全国风力发电标准化技术委员会	20240820	国家标准 - 全国标准信息公共服务平台	
PV13	风力发电机组	Wind Turbines	1.06	GB/T 18451.2-2025	风能发电系统 风力发电机组功率特性测试 Wind energy generation systems—Power performance measurements of electricity producing wind turbines	国家市场监督管理总局、国家标准化管理委员会	20260501	国家标准 - 全国标准信息公共服务平台	
PV13	风力发电机组 风力发电机组叶片	Wind Turbines Wind Turbines Blade	1.06	GB/T 25383-2025	风能发电系统 风力发电机组风轮叶片 Wind energy generation systems—Wind turbine blades	全国风力发电标准化技术委员会	20251201	国家标准 - 全国标准信息公共服务平台	
PV13	特定场址风力发电机组 风力发电机组 风力发电机组叶片	Site-specific wind turbine Wind Turbines Wind Turbines Blade	1.06	GB/T 29543-2013	低温型风力发电机组 Wind turbine generator systems for cold environments	中华人民共和国国家质量监督检验检疫总局、中国国家标准化管理委员会	20140101	国家标准 - 全国标准信息公共服务平台	
PV13	特定场址风力发电机组 风电塔筒 风力发电机组 风力发电机组叶片	Site-specific wind turbine Wind Turbine Tower Wind Turbines Wind Turbines Blade	1.06	GB/T 31517.1-2022	固定式海上风力发电机组 设计要求 Fixed offshore wind turbines—Design requirements	国家市场监督管理总局、国家标准化管理委员会	20221012	https://www.spc.org.cn/	
PV13	特定场址风力发电机组 风电塔筒 风力发电机组 风力发电机组叶片	Site-specific wind turbine Wind Turbine Tower Wind Turbines Wind Turbines Blade	1.06	GB/T 31519-2015	台风型风力发电机组 Wind turbine generator system under typhoon condition	中华人民共和国国家质量监督检验检疫总局、中国国家标准化管理委员会	20160201	国家标准 - 全国标准信息公共服务平台	
PV13	特定场址风力发电机组 风电塔筒 风力发电机组 风力发电机组叶片	Site-specific wind turbine Wind Turbine Tower Wind Turbines Wind Turbines Blade	1.06	GB/T 31519-2025	风能发电系统 台风型风力发电机组 Wind energy generation systems—Wind turbine generator system under typhoon condition	国家市场监督管理总局、国家标准化管理委员会	20260701	国家标准 - 全国标准信息公共服务平台	
PV13	特定场址风力发电机组 风电塔筒 风力发电机组 风力发电机组叶片	Site-specific wind turbine Wind Turbine Tower Wind Turbines Wind Turbines Blade	1.06	GB/T 35792-2018	风力发电机组 合格测试及认证 Wind turbines-Conformity testing and certification	中华人民共和国国家质量监督检验检疫总局、中国国家标准化管理委员会	20180901	https://www.spc.org.cn/	
PV13	风力发电机组	Wind Turbines	1.06	GB/T 37257-2018	风力发电机组 机械载荷测量 Wind turbines—Measurement of mechanical loads	国家市场监督管理总局、中国国家标准化管理委员会	20190701	国家标准 - 全国标准信息公共服务平台	
PV13	特定场址风力发电机组 风力发电机组	Site-specific wind turbine Wind Turbines	1.06	GB/T 37921-2019	高海拔型风力发电机组 Wind turbine generator system under high altitude	国家市场监督管理总局、中国国家标准化管理委员会	20200301	国家标准 - 全国标准信息公共服务平台	

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PV13	风电塔筒	Wind Turbine Tower	1.06	GB/T 50010-2010	混凝土结构设计规范 Code for design of concrete structures	中华人民共和国住房和城乡建设部、中华人民共和国国家质量监督检验检疫总局	20240801	https://www.ccsn.org.cn/newweb/standardQuery?guid=dc81f287-9b5e-400f-ac14-6893a273ae1c&showDetail=true	
PV13	特定场址风力发电机组 风电塔筒 风力发电机组 风力发电机组叶片	Site-specific wind turbine Wind Turbine Tower Wind Turbines Wind Turbines Blade	1.06	IEC 61400-1:2019	风能发电系统 – 第1部分：设计要求 Wind energy generation systems – Part 1: Design requirements	IEC	20190208	IEC Webstore homepage IEC	
PV13	特定场址风力发电机组 风电塔筒 风力发电机组 风力发电机组叶片	Site-specific wind turbine Wind Turbine Tower Wind Turbines Wind Turbines Blade	1.06	IEC 61400-1:2019+AMD1:2025	风能发电系统 – 第1部分：设计要求 Wind energy generation systems – Part 1: Design requirements	IEC	20251218	IEC Webstore homepage IEC	
PV13	风力发电机组	Wind Turbines	1.06	IEC 61400-11:2012	风力发电机组 – 第11部分：噪声测量技术 Wind turbines - Part 11: Acoustic noise measurement techniques	IEC	20121107	IEC Webstore homepage IEC	
PV13	风力发电机组	Wind Turbines	1.06	IEC 61400-11:2012+AMD1:2018	风力发电机组 – 第11部分：噪声测量技术 Wind turbines - Part 11: Acoustic noise measurement techniques	IEC	20180615	IEC Webstore homepage IEC	
PV13	风力发电机组	Wind Turbines	1.06	IEC 61400-12-1:2022	风力发电机组-第12-1部分：风力发电机组功率特性测试 Wind energy generation systems - Part 12-1: Power performance measurements of electricity producing wind turbines	IEC	20220905	IEC Webstore homepage IEC	
PV13	特定场址风力发电机组 风电塔筒 风力发电机组 风力发电机组叶片	特定场址风力发电机组 风电塔筒 风力发电机组 风力发电机组叶片	1.06	IEC 61400-2:2013	风力发电机组 – 第2部分：小型风力发电机组 Wind turbines - Part 2: Small wind turbines	IEC	20131212	IEC Webstore homepage IEC	
PV13	风力发电机组	Wind Turbines	1.06	IEC 61400-21-1:2019	风能发电系统 第21-1部分：电气特性测量和评估-风力发电机组 Wind energy generation systems - Part 21-1: Measurement and assessment of electrical characteristics - Wind turbines	IEC	20190520	IEC Webstore homepage IEC	
PV13	风力发电机组 风力发电机组叶片	Wind Turbines Wind Turbines Blade	1.06	IEC 61400-23:2014	风力发电机组 第23部分：风轮叶片全尺寸结构试验 Wind turbine -Part23: Full-scale structural testing of rotor blades	IEC	20140408	IEC Webstore homepage IEC	
PV13	风力发电机组 风力发电机组叶片	Wind Turbines Wind Turbines Blade	1.06	IEC 61400-24:2019	风力发电机组 – 第24部分：雷电防护 Wind energy generation systems – Part 24: Lightning protection	IEC	20190703	IEC Webstore homepage IEC	
PV13	风力发电机组 风力发电机组叶片	Wind Turbines Wind Turbines Blade	1.06	IEC 61400-24:2019+AMD1:2024	风能发电系统 第24部分：雷电防护 Wind energy generation systems - Part 24: Lightning protection	IEC	20241113	IEC Webstore homepage IEC	
PV13	特定场址风力发电机组 风电塔筒 风力发电机组 风力发电机组叶片	Site-specific wind turbine Wind Turbine Tower Wind Turbines Wind Turbines Blade	1.06	IEC 61400-3-1:2019	风能发电系统 第3-1部分：固定式海上风力发电机组设计要求 Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbine	IEC	20190405	IEC Webstore homepage IEC	
PV13	特定场址风力发电机组 风电塔筒 风力发电机组 风力发电机组叶片	Site-specific wind turbine Wind Turbine Tower Wind Turbines Wind Turbines Blade	1.06	IEC 61400-3-2:2025	风能发电系统 第3-2部分：漂浮式海上风力发电机组设计要求 Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines	IEC	20250122	IEC Webstore homepage IEC	
PV13	风力发电机组叶片	Wind Turbines Blade	1.06	IEC 61400-5: 2020	风能发电系统 – 第5部分：风力发电机组叶片 Wind energy generation systems - Part 5: Wind turbine blades	IEC	20200616	IEC Webstore homepage IEC	
PV13	风力发电机组叶片	Wind Turbines Blade	1.06	IEC 61400-5:2020+AMD1:2025	风能发电系统 – 第5部分：风力发电机组叶片 Wind energy generation systems - Part 5: Wind turbine blades	IEC	20250828	IEC Webstore homepage IEC	
PV13	风电塔筒	Wind Turbine Tower	1.06	IEC 61400-6:2020	风能发电系统 – 第6部分：塔架和基础设计要求 Wind energy generation systems – Part 6: Tower and foundation design requirements	IEC	20200421	IEC Webstore homepage IEC	
PV13	风电塔筒	Wind Turbine Tower	1.06	IEC 61400-6:2020+AMD1:2025	风能发电系统 – 第6部分：塔架和基础设计要求 Wind energy generation systems – Part 6: Tower and foundation design requirements	IEC	20250613	IEC Webstore homepage IEC	
PV13	风力发电机组	Wind Turbines	1.06	IEC TS 61400-11-2:2024	风能发电系统-第11-2部分：噪声测量技术- 风力发电机受体位置声特性的测量 Wind energy generation systems - Part 11-2: Acoustic noise measurement techniques - Measurement of wind turbine sound characteristics in receptor position	IEC	20240327	IEC Webstore homepage IEC	
PV13	风电塔筒	Wind Turbine Tower	1.06	NB/T 10907-2021	风电机组混凝土-钢混合塔筒设计规范 Code for Design of Concrete-Steel Hybrid Tower of Wind Turbine	国家能源局	20220322	行业标准 – 全国标准信息公共服务平台	
PV13	风电塔筒	Wind Turbine Tower	1.06	NB/T 10908-2021	风电机组混凝土-钢混合塔筒施工规范 Code for Construction of Concrete-Steel Hybrid Tower of Wind Turbine	国家能源局	20220322	行业标准 – 全国标准信息公共服务平台	
PV13	风电塔筒	Wind Turbine Tower	1.06	T/CEC 5008-2018	风力发电机组预应力装配式 混凝土塔筒技术规范 Technical specifications for prestressed fabricated concrete towers for wind turbines	中国电力企业联合会	20180901		
PV11	机械	Machinery	1.07	GB/T 18268.31-2022	Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) - General industrial applications 安全相关系统和用于执行安全相关功能（功能安全）的设备的抗扰度要求 - 一般工业应用	国家市场监督管理总局、国家标准化管理委员会	20221012	国家标准 – 全国标准信息公共服务平台	
PV11	机械	Machinery	1.07	EN 17955:2024	Industrial valves - Functional safety of safety-related automated valves 工业阀门 - 安全相关自动化阀门的功能安全	CEN	20240812	CEN – CENELEC – Search standards	

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PV11	无线电设备	Radio Equipment	1.07	EN 18031-1:2024	无线电设备通用安全要求——第1部分：互联网连接无线电设备 Common security requirements for radio equipment - Part 1: Internet connected radio equipment	CEN	20250228	CEN-CENELEC - CEN-CENELEC	
PV11	无线电设备	Radio Equipment	1.07	EN 18031-2:2024	无线电设备通用安全要求——第2部分：处理数据的无线电设备，包括互联网连接无线电设备、儿童护理无线电设备、玩具无线电设备以及可穿戴无线电设备。 Common security requirements for radio equipment - Part 2: radio equipment processing data, namely Internet connected radio equipment, childcare radio equipment, toys radio equipment and wearable radio equipment	CEN	20250228	CEN-CENELEC - CEN-CENELEC	
PV11	无线电设备	Radio Equipment	1.07	EN 18031-3:2024	无线电设备通用安全要求——第3部分：处理虚拟货币或货币价值的互联网连接无线电设备 Common security requirements for radio equipment - Part 3: Internet connected radio equipment processing virtual money or monetary value	CEN	20250228	CEN-CENELEC - CEN-CENELEC	
PV11	机械	Machinery	1.07	EN 61508-1:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems—Part 1: General requirements 电气/电子/可编程电子安全相关系统的功能安全 第1部分：通用要求	CEN	20100430	CEN - CENELEC - Search standards	
PV11	机械	Machinery	1.07	EN 61508-2:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems—Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems 电气/电子/可编程电子安全相关系统的功能安全 第2部分：电气/电子/可编程电子安全相关系统的要求	CEN	20100430	CEN - CENELEC - Search standards	
PV11	机械	Machinery	1.07	EN 61508-3:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 3: Software requirements 电气/电子/可编程电子安全相关系统的功能安全 第3部分：软件要求	CEN	20100430	CEN - CENELEC - Search standards	
PV11	机械	Machinery	1.07	EN 61800-5-2:2017	Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional 调速电气传动系统 第5-2部分：安全要求 功能	CEN	20160418 20171028	CEN - CENELEC - Search standards	
PV11	机械	Machinery	1.07	EN IEC 61784-3:2021 + A1:2024	Industrial communication networks – Profiles –Part 3: Functional safety fieldbuses – General rules and profile definitions 工业通信网络 行规 第3部分：功能安全现场总线 通用规则和行规定义	CEN	20240419	CEN - CENELEC - Search standards	
PV11	机械	Machinery	1.07	EN IEC 62061:2021 + A1:2024	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems 机械电气安全 安全相关电气、电子和可编程电子控制系统的功能安全	CEN	20240328	CEN - CENELEC - Search standards	
PV11	机械	Machinery	1.07	EN ISO 13849-1:2023	Safety of machinery—Safety-related parts of control systems—Part 1: General principles for design 机械安全 安全控制系统 第1部分：设计通则	CEN	20230426	CEN - CENELEC - Search standards	
PV11	机械	Machinery	1.07	EN ISO 13849-2:2012	Safety of machinery—Safety-related parts of control systems—Part 2: Validation 机械安全 控制系统安全相关部件 第2部分：确认	CEN	20121005	CEN - CENELEC - Search standards	
PV11	物联网产品	IoT Product	1.07	ETSI EN 303 645 V2.1.1	网络安全；面向消费者物联网的网络安全：基础要求 CYBER; Cyber Security for Consumer Internet of Things: Baseline Requirements	ETSI	20200619	EN 303 645 - V2.1.1 - CYBER; Cyber Security for Consumer Internet of Things: Baseline Requirements	
PV11	物联网产品	IoT Product	1.07	ETSI EN 303 645 V3.1.3	网络安全；面向消费者物联网的网络安全：基础要求 CYBER; Cyber Security for Consumer Internet of Things: Baseline Requirements	ETSI	20240911	EN 303 645 - V3.1.3 - CYBER; Cyber Security for Consumer Internet of Things: Baseline Requirements	
PV11	机械	Machinery	1.07	GB 12668.501-2013	Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy 可调速电力驱动系统--第 5-1 部分：安全要求--电气、热能和能量	国家市场监督管理总局、国家标准化管理委员会	20131112	国家标准 - 全国标准信息公共服务平台	
PV11	机械	Machinery	1.07	GB 28526-2012	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems 机械电气安全 安全相关电气、电子和可编程电子控制系统的功能安全	国家市场监督管理总局、国家标准化管理委员会	20120629	国家标准 - 全国标准信息公共服务平台	
PV11	机械	Machinery	1.07	GB/T 12668.502-2013	Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional 调速电气传动系统 第5-2部分：安全要求 功能	国家市场监督管理总局、国家标准化管理委员会	20131112	国家标准 - 全国标准信息公共服务平台	
PV11	机械	Machinery	1.07	GB/T 15969.2-2024	Programmable controllers - Part 2: Equipment requirements and tests 可编程控制器--第 2 部分：设备要求和测试	国家市场监督管理总局、国家标准化管理委员会	20241128	国家标准 - 全国标准信息公共服务平台	
PV11	机械	Machinery	1.07	GB/T 16855.1-2025	Safety of machinery—Safety-related parts of control systems—Part 1: General principles for design 机械安全 安全控制系统 第1部分：设计通则	国家市场监督管理总局、国家标准化管理委员会	20250829	国家标准 - 全国标准信息公共服务平台	
PV11	机械	Machinery	1.07	GB/T 16855.2-2015	Safety of machinery—Safety-related parts of control systems—Part 2: Validation 机械安全 控制系统安全相关部件 第2部分：确认	国家市场监督管理总局、国家标准化管理委员会	20151210	国家标准 - 全国标准信息公共服务平台	

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PV11	机械	Machinery	1.07	GB/T 20438.1-2017	Functional safety of electrical/electronic/programmable electronic safety-related systems—Part 1: General requirements 电气/电子/可编程电子安全相关系统的功能安全 第1部分：通用要求	国家市场监督管理总局、国家标准化管理委员会	20171229	国家标准 - 国家标准信息公共服务平台	
PV11	机械	Machinery	1.07	GB/T 20438.2-2017	Functional safety of electrical/electronic/programmable electronic safety-related systems—Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems 电气/电子/可编程电子安全相关系统的功能安全 第2部分：电气/电子/可编程电子安全相关系统的要求	国家市场监督管理总局、国家标准化管理委员会	20171229	国家标准 - 国家标准信息公共服务平台	
PV11	机械	Machinery	1.07	GB/T 20438.3-2017	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 3: Software requirements 电气/电子/可编程电子安全相关系统的功能安全 第3部分：软件要求	国家市场监督管理总局、国家标准化管理委员会	20171229	国家标准 - 国家标准信息公共服务平台	
PV11	机械	Machinery	1.07	GB/T 21109.1-2022	Functional safety of safety instrumented systems in the process industry sector—Part 1: Framework, definitions, system, hardware and application programming requirements 过程工业领域安全仪表系统的功能安全 第1部分：框架、定义、系统、硬件和应用编程要求	国家市场监督管理总局、国家标准化管理委员会	20221012	国家标准 - 国家标准信息公共服务平台	
PV11	机械	Machinery	1.07	GB/T 21109.2-2023	Functional safety - Safety instrumented systems for the process industry sector - Part 2: Guidelines for the application of IEC 61511-1 功能安全 - 过程工业领域的安全仪表系统 - 第2部分：IEC 61511-1 应用指南	国家市场监督管理总局、国家标准化管理委员会	20230317	国家标准 - 国家标准信息公共服务平台	
PV11	机械	Machinery	1.07	GB/T 21109.3-2007	Functional safety - Safety instrumented systems for the process industry sector - Part 3: Guidance for the determination of the required safety integrity levels 功能安全 - 过程工业领域的安全仪表系统 - 第3部分：确定所需安全完整性级别的指南	国家市场监督管理总局、国家标准化管理委员会	20071011	国家标准 - 国家标准信息公共服务平台	
PV11	机械	Machinery	1.07	GB/T 34040-2017	Industrial communication networks—Functional safety fieldbus profiles—General rules and profile definitions 工业通信网络 功能安全现场总线行规 通用规则和行规定义	国家市场监督管理总局、国家标准化管理委员会	20170731	国家标准 - 国家标准信息公共服务平台	
PV11	车辆	Vehicles	1.07	GB/T 34590.10-2022	道路车辆 功能安全 第10部分：指南 Road vehicles—Functional safety—Part 10: Guideline	国家市场监督管理总局、国家标准化管理委员会	20221230	国家标准 - 国家标准信息公共服务平台	
PV11	车辆	Vehicles	1.07	GB/T 34590.11-2022	道路车辆 功能安全 第11部分：半导体应用指南 Road vehicles—Functional safety—Part 11: Guidelines on applications to semiconductors	国家市场监督管理总局、国家标准化管理委员会	20221230	国家标准 - 国家标准信息公共服务平台	
PV11	车辆	Vehicles	1.07	GB/T 34590.12-2022	道路车辆 功能安全 第12部分：摩托车的适用性 Road vehicles—Functional Safety—Part 12: Adaptation for motorcycles	国家市场监督管理总局、国家标准化管理委员会	20221230	国家标准 - 国家标准信息公共服务平台	
PV11	车辆	Vehicles	1.07	GB/T 34590.2-2022	道路车辆 功能安全 第2部分：功能安全管理 Road vehicles—Functional safety—Part 2: Management of functional safety	国家市场监督管理总局、国家标准化管理委员会	20221230	国家标准 - 国家标准信息公共服务平台	
PV11	车辆	Vehicles	1.07	GB/T 34590.3-2022	道路车辆 功能安全 第3部分：概念阶段 Road vehicles—Functional safety—Part 3: Concept phase	国家市场监督管理总局、国家标准化管理委员会	20221230	国家标准 - 国家标准信息公共服务平台	
PV11	车辆	Vehicles	1.07	GB/T 34590.4-2022	道路车辆 功能安全 第4部分：产品开发：系统层面 Road vehicles—Functional safety—Part 4: Product development at the system level	国家市场监督管理总局、国家标准化管理委员会	20221230	国家标准 - 国家标准信息公共服务平台	
PV11	车辆	Vehicles	1.07	GB/T 34590.5-2022	道路车辆 功能安全 第5部分：产品开发：硬件层面 Road vehicles—Functional safety—Part 5: Product development at the hardware level	国家市场监督管理总局、国家标准化管理委员会	20221230	国家标准 - 国家标准信息公共服务平台	
PV11	车辆	Vehicles	1.07	GB/T 34590.6-2022	道路车辆 功能安全 第6部分：产品开发：软件层面 Road vehicles—Functional safety—Part 6: Product development at the software level	国家市场监督管理总局、国家标准化管理委员会	20221230	国家标准 - 国家标准信息公共服务平台	
PV11	车辆	Vehicles	1.07	GB/T 34590.7-2022	道路车辆 功能安全 第7部分：生产、运行、服务和报废 Road vehicles—Functional safety—Part 7: Production, operation, service and decommissioning	国家市场监督管理总局、国家标准化管理委员会	20221230	国家标准 - 国家标准信息公共服务平台	
PV11	车辆	Vehicles	1.07	GB/T 34590.8-2022	道路车辆 功能安全 第8部分：支持过程 Road vehicles—Functional safety—Part 8: Supporting processes	国家市场监督管理总局、国家标准化管理委员会	20221230	国家标准 - 国家标准信息公共服务平台	
PV11	车辆	Vehicles	1.07	GB/T 34590.9-2022	道路车辆 功能安全 第9部分：以汽车安全完整性等级为导向和以安全为导向的分析 Road vehicles—Functional safety—Part 9: Automotive safety integrity level (ASIL)-oriented and safety-oriented analyses	国家市场监督管理总局、国家标准化管理委员会	20221230	国家标准 - 国家标准信息公共服务平台	
PV11	机械	Machinery	1.07	GB/T 35673-2017	Industrial communication networks—Network and system security—System security requirements and security levels 工业通信网络 网络和系统安全 系统安全要求和安全等级	国家市场监督管理总局、国家标准化管理委员会	20171229	国家标准 - 国家标准信息公共服务平台	
PV11	机械	Machinery	1.07	GB/T 40682-2021	Security for industrial automation and control system—Security program requirements for IACS service providers 工业自动化和控制系统安全 IACS服务提供商的安全程序要求	国家市场监督管理总局、国家标准化管理委员会	20211011	国家标准 - 国家标准信息公共服务平台	
PV11	机械	Machinery	1.07	GB/T 42456-2023	Security for industrial automation and control systems—Technical security requirements for IACS components 工业自动化和控制系统信息安全 IACS组件的安全技术要求	国家市场监督管理总局、国家标准化管理委员会	20230317	国家标准 - 国家标准信息公共服务平台	

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PV11	机械	Machinery	1.07	GB/T 42457-2023	Security for industrial automation and control systems—Secure product development lifecycle requirements 工业自动化和控制系统信息安全 产品安全开发生命周期要求	国家市场监督管理总局、国家标准化管理委员会	20230317	国家标准 - 全国标准信息公共服务平台	
PV11	车辆	Vehicles	1.07	GB/T 43267-2023	道路车辆 预期功能安全 Road vehicles—Safety of the intended functionality	国家市场监督管理总局、国家标准化管理委员会	20231127	国家标准 - 全国标准信息公共服务平台	
PV11	机械	Machinery	1.07	GB/T 46151-2025	电梯、自动扶梯和自动人行道的电气要求 信息传输与控制安全 Electrical requirements for lifts, escalators and moving walks—Information transmission and control security	国家市场监督管理总局、国家标准化管理委员会	20250829	国家标准 GB/T 46151-2025	
PV11	机械	Machinery	1.07	IEC 61131-2:2017	Programmable controllers - Part 2: Equipment requirements and tests 可编程控制器 - 第 2 部分：设备要求和测试	IEC	20170823	IEC Webstore homepage IEC	
PV11	机械	Machinery	1.07	IEC 61326-3-1:2017	Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) - General industrial applications 安全相关系统和用于执行安全相关功能 (功能安全) 的设备的抗扰度要求 - 一般工业应用	IEC	20170516	IEC Webstore homepage IEC	
PV11	机械	Machinery	1.07	IEC 61508-1:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems—Part 1: General requirements 电气/电子/可编程电子安全相关系统的功能安全 第1部分：通用要求	CEN	20100430	CEN - CENELEC - Search standards	
PV11	机械	Machinery	1.07	IEC 61508-2:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems—Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems 电气/电子/可编程电子安全相关系统的功能安全 第2部分：电气/电子/可编程电子安全相关系统的要求	CEN	20100430	CEN - CENELEC - Search standards	
PV11	机械	Machinery	1.07	IEC 61508-3:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 3: Software requirements 电气/电子/可编程电子安全相关系统的功能安全 第3部分：软件要求	CEN	20100430	CEN - CENELEC - Search standards	
PV11	机械	Machinery	1.07	IEC 61511-1:2016 + Corr.1:2016 + AMD1:2017	Functional safety of safety instrumented systems in the process industry sector—Part 1: Framework, definitions, system, hardware and application programming requirements 过程工业领域安全仪表系统的功能安全 第1部分：框架、定义、系统、硬件和应用编程要求	IEC	20170816	IEC Webstore homepage IEC	
PV11	机械	Machinery	1.07	IEC 61511-2:2016	Functional safety - Safety instrumented systems for the process industry sector - Part 2: Guidelines for the application of IEC 61511-1 功能安全 - 过程工业领域的安全仪表系统 - 第 2 部分：IEC 61511-1 应用指南	IEC	20160728	IEC Webstore homepage IEC	
PV11	机械	Machinery	1.07	IEC 61511-3:2016	Functional safety - Safety instrumented systems for the process industry sector - Part 3: Guidance for the determination of the required safety integrity levels 功能安全 - 过程工业领域的安全仪表系统 - 第 3 部分：确定所需安全完整性级别的指南	IEC	20160721	IEC Webstore homepage IEC	
PV11	机械	Machinery	1.07	IEC 61784-3:2021 + AMD1:2024	Industrial communication networks – Profiles –Part 3: Functional safety fieldbuses – General rules and profile definitions 工业通信网络 行规 第3部分：功能安全现场总线 通用规则和行规定义	CEN	20240419	CEN - CENELEC - Search standards	
PV11	机械	Machinery	1.07	IEC 61800-5-1:2007	Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy 可调速电力驱动系统 - 第 5-1 部分：安全要求 - 电气、热能和能量	IEC	20070716	IEC Webstore homepage IEC	
PV11	机械	Machinery	1.07	IEC 61800-5-2:2016	Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional 可调速电气传动系统 第5-2部分：安全要求 功能	CEN	20160418 20171028	CEN - CENELEC - Search standards	
PV11	机械	Machinery	1.07	IEC 61800-5-3:2021	Adjustable speed electrical power drive systems – Part 5-3: Safety requirements – Functional, electrical and environmental requirements for encoders 可调速电力驱动系统 第 5-3 部分：编码器安全要求 功能、电气和环境要求	IEC	20210223	IEC Webstore homepage IEC	
PV11	机械	Machinery	1.07	IEC 62443-2-4:2023	Security for industrial automation and control systems - Part 2-4: Security program requirements for IACS service providers 工业自动化和控制系统的安全性 第2-4部分：IACS服务提供商的安全程序要求	IEC	20231215	IEC Webstore homepage IEC	
PV11	机械	Machinery	1.07	IEC 62443-3-3:2013 + COR1:2014	Industrial communication networks - Network and system security - Part 3-3: System security requirements and security levels 工业通信网络网络和系统安全 第3-3部分：系统安全要求和安全等级	IEC	20140424	IEC Webstore homepage IEC	
PV11	机械	Machinery	1.07	IEC 62443-4-1:2018	Security for industrial automation and control systems - Part 4-1: Secure product development lifecycle requirements 工业自动化和控制系统的安全性 第4-1部分：确保产品开发生命周期的要求	IEC	20180115	IEC Webstore homepage IEC	
PV11	机械	Machinery	1.07	IEC 62443-4-2:2019 + COR1:2022	Security for industrial automation and control systems - Part 4-2: Technical security requirements for IACS components 工业自动化和控制系统的安全 第4-2部分：IACS部件的技术安全要求	IEC	20220830	IEC Webstore homepage IEC	

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PV11	车辆	Vehicles	I.07	ISO 21434:2021	道路车辆-网络安全工程 Road vehicles — Cybersecurity engineering	ISO	20210831	ISO - Store	
PV11	车辆	Vehicles	I.07	ISO 21448:2022	道路车辆 预期功能安全 Road vehicles—Safety of the intended functionality	ISO	20220630	ISO - Store	
PV11	车辆	Vehicles	I.07	ISO 24089:2023	道路车辆-软件升级工程 Road vehicles — Software update engineering	ISO	20230208	ISO - Store	
PV11	车辆	Vehicles	I.07	ISO 26262-10:2018	道路车辆 功能安全 第10部分: 指南 Road vehicles — Functional safety —Part 10: Guidelines on ISO 26262	ISO	20181217	ISO - Store	
PV11	车辆	Vehicles	I.07	ISO 26262-11:2018	道路车辆 功能安全 第11部分: 半导体应用指南 Road vehicles — Functional safety—Part 11: Guidelines on application of ISO 26262 to semiconductors	ISO	20181217	ISO - Store	
PV11	车辆	Vehicles	I.07	ISO 26262-12:2018	道路车辆 功能安全 第12部分: 摩托车的适用性 Road vehicles — Functional safety—Part 12:Adaptation of ISO 26262 for motorcycles	ISO	20181217	ISO - Store	
PV11	车辆	Vehicles	I.07	ISO 26262-2:2018	道路车辆 功能安全 第2部分: 功能安全管理 Road vehicles—Functional safety—Part 2:Management of functional safety	ISO	20181217	ISO - Store	
PV11	车辆	Vehicles	I.07	ISO 26262-3:2018	道路车辆 功能安全 第3部分: 概念阶段 Road vehicles—Functional safety—Part 3: Concept phase	ISO	20181217	ISO - Store	
PV11	车辆	Vehicles	I.07	ISO 26262-4:2018	道路车辆 功能安全 第4部分: 产品开发: 系统层面 Road vehicles—Functional safety—Part 4: Product development at the system level	ISO	20181217	ISO - Store	
PV11	车辆	Vehicles	I.07	ISO 26262-5:2018	道路车辆 功能安全 第5部分: 产品开发: 硬件层面 Road vehicles—Functional safety—Part 5: Product development at the hardware level	ISO	20181217	ISO - Store	
PV11	车辆	Vehicles	I.07	ISO 26262-6:2018	道路车辆 功能安全 第6部分: 产品开发: 软件层面 Road vehicles—Functional safety—Part 6: Product development at the software level	ISO	20181217	ISO - Store	
PV11	车辆	Vehicles	I.07	ISO 26262-7:2018	道路车辆 功能安全 第7部分: 生产、运行、服务和报废 Road vehicles—Functional safety—Part 7:Production,operation,service and decommissioning	ISO	20181217	ISO - Store	
PV11	车辆	Vehicles	I.07	ISO 26262-8:2018	道路车辆 功能安全 第8部分: 支持过程 Road vehicles—Functional safety—Part 8: Supporting processes	ISO	20181217	ISO - Store	
PV11	车辆	Vehicles	I.07	ISO 26262-9:2018	道路车辆 功能安全 第9部分: 以汽车安全完整性等级为导向和以安全为导向的分析 Road vehicles—Functional safety—Part 9:Automotive safety integrity level(ASIL)-oriented and safety-oriented analyses	ISO	20181217	ISO - Store	
PV11	机械	Machinery	I.07	ISO 8102-20:2022	电梯、自动扶梯和自动人行道的电气要求 第20部分: 网络安全 Electrical requirements for lifts, escalators and moving walks — Part 20: Cybersecurity	ISO	20220801	ISO 8102-20:2022 - Electrical requirements for lifts, escalators and moving walks — Part 20: Cybersecurity	
PV11	物联网产品	IoT Product	I.07	ISO/IEC 22237-1:2021	信息技术-数据中心设施和基础设施 第1部分: 一般概念 Information technology — Data centre facilities and infrastructures Part 1: General concepts	ISO	20211005	ISO/IEC 22237-1:2021 - Information technology — Data centre facilities and infrastructures — Part 1: General concepts	
PV11	物联网产品	IoT Product	I.07	ISO/IEC 22237-6:2024	信息技术-数据中心设施和基础设施 第6部分: 安全系统 Information technology — Data centre facilities and infrastructures Part 6: Security systems	ISO	20240219	ISO/IEC 22237-6:2024 - Information technology — Data centre facilities and infrastructures — Part 6: Security systems	
PV11	物联网产品	IoT Product	I.07	NIST IR 8425:2022	面向消费者物联网产品的物联网核心基线应用规范 Profile of the IoT Core Baseline for Consumer IoT Products	NIST	20220920	Information Technology Laboratory NIST	
PV11	物联网产品	IoT Product	I.07	AS/NZS 4536:2023	Schedule 1—安全标准 第1部分—面向消费者的相关连接产品的安全标准 Schedule 1—Security standards Part 1—Security standard for consumer grade relevant connectable products	Australian Government	20250304	Cyber Security Security Standards for Smart Devices Rules 2025 - Federal Register of Legislation	
PV11	物联网产品 真空吸尘器	IoT Product Vacuum Cleaner	I.07	EN 15196:2023	Schedule 2 of 2023 No. 1007 CONSUMER PROTECTION 被视为符合安全要求的条件 Conditions for Deemed Compliance with Security Requirements	National Archives - legislation.gov.uk	20230914		
PV11	车辆内饰材料	Vehicle Interior Materials	M.04	2 PFG CH 0025/02.20	生态内饰材料 ECO Interior Material	莱茵检测认证服务（中国）有限公司	20200201		
PV11	车辆自动驾驶系统	Vehicle Autonomous Driving System	M.04	2 PFG CH 03109/10.22	低速自动驾驶系统性能评估 LSAD system performance tested	莱茵检测认证服务（中国）有限公司	20221001		
PV11	轮胎	Tyre	M.04	2 PFG CH 03142/11.22	轮胎节油节能认证要求 Tyre fuel saving / Energy efficiency	莱茵检测认证服务（中国）有限公司	20221101		
PV11	轮胎	Tyre	M.04	2 PFG CH 03252/02.23	轮胎性能测试规范 Tyre Performance Test Specification	莱茵检测认证服务（中国）有限公司	20230201		
PV11	车辆零部件	Vehicle components	M.04	2 PFG S 0202/08.23	用于汽车零部件的抗菌产品 Antibacterial Product for automotive components	莱茵检测认证服务（中国）有限公司	20230801		

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PV11	车用芯片	Automotive Chip	M.04	AEC-Q100-REV-J:2023	面向汽车应用中集成电路的基于失效机制的应力测试认证 Failure mechanism based stress test qualification for integrated circuits in automotive applications	AEC	20230811	http://www.aecouncil.com/Documents/AEC_Q100_Rev_J_Base_Document.pdf	
PV11	车用芯片	Automotive Chip	M.04	AEC-Q101-REV-E:2013	面向汽车应用中分立半导体器件的基于失效机制的应力测试认证 Failure mechanism based stress test qualification for discrete semiconductors in automotive applications	AEC	20210301	AEC-Q101	
PV11	车用芯片	Automotive Chip	M.04	AEC-Q200-REV-E:2023	被动元件的应力测试认证 Stress test qualification for passive components	AEC	20230320	http://www.aecouncil.com/Documents/AEC_Q200_Rev_E_Base_Document.pdf	
PV11	电动车辆防火毯	Fire Blanket for EV	M.04	DIN SPEC 91489:2024-11	电动汽车限火毯的要求 Requirements for fire limitation blankets for use with electric vehicles	DIN	20241101	https://www.dinmedia.de/en/technical-rule/din-spec-91489/384307688	
PV11	车辆	Vehicles	M.04	GB/T 18655-2025	车辆、船和内燃机 无线电骚扰特性 用于保护车载接收机的限值 and 测量方法 Vehicles, boats and internal combustion engines—Radio disturbance characteristics—Limits and methods of measurement for the protection of on-board receivers	国家市场监督管理总局、国家标准化管理委员会	20250228	首页 - 全国标准信息公共服务平台	
PV11	车用香氛	Vehicle Fragrances	M.04	GB/T 22731-2022	日用香精 Fragrance compound	国家市场监督管理总局、国家标准化管理委员会	20221230	首页 - 全国标准信息公共服务平台	
PV11	车内空气质量	In-vehicle Air Quality	M.04	GB/T 27630-2011	乘用车内空气质量评价指南 Guideline for air quality assessment of passenger car	国家市场监督管理总局、国家标准化管理委员会	20111230	首页 - 全国标准信息公共服务平台	
PV11	车辆自动驾驶系统	Vehicle Autonomous Driving System	M.04	ISO 22737:2021	智能交通系统 - 用于预定路线的低速自动驾驶 (LSAD) 系统 - 性能要求、系统要求和性能测试程序 Intelligent transport systems — Low-speed automated driving (LSAD) systems for predefined routes — Performance requirements, system requirements and performance test procedures	ISO	20210706	ISO - Store	
PV11	车辆 车辆零部件	Vehicles Vehicle Components	M.04	REGULATION (EC) No 1907/2006	REACH法规 (化学品注册、评估、授权和限制法规) REACH Regulation	European Parliament, Council of the European Union	20250623	Regulation - 1907/2006 - EN - REACH - EUR-Lex	
PV11	车用电池	Vehicle Batteries	M.04	Regulation (EU) 2023/1542	电池及废电池的可持续性规则 Sustainability rules for batteries and waste batteries	European Parliament, Council of the European Union	20240125	https://eur-lex.europa.eu/eli/reg/2023/1542/oj/eng	
PV11	老花镜	Reading glasses	P.02	EN 14139:2010	眼科光学 — 成品眼镜规范 Ophthalmic optics — Specifications for ready-to-wear spectacles	CEN	20100609	CEN - CEN/TC 170	
PV11	废料配件	Waste fittings	P.02	EN 274-1:2002	卫生器具的废料配件 第1部分:要求 Waste fittings for sanitary appliances - Part 1: Requirements	CEN	20020731	CEN-CENELEC - CEN-CENELEC	
PV11	废料配件	Waste fittings	P.02	EN 274-2:2002	卫生器具的废料配件 第2部分:测试方法 Waste fittings for sanitary appliances - Part 2: Test methods	CEN	20020731	CEN-CENELEC - CEN-CENELEC	
PV11	太阳镜和相关眼镜	sunglasses and related eyewear	P.02	EN ISO 12312-1:2022	眼面部防护 — 太阳镜及相关护目镜 — 第1部分: 普通用途太阳镜 Eye and face protection - Sunglasses and related eyewear - Part 1: Sunglasses for general use	CEN	20220713	CEN - CEN/TC 85	
PV11	太阳镜和相关眼镜	sunglasses and related eyewear	P.02	EN ISO 12312-1:2022/A11:2024	眼面部防护 — 太阳镜及相关护目镜 — 第1部分: 普通用途太阳镜 Eye and face protection - Sunglasses and related eyewear - Part 1: Sunglasses for general use	CEN	20240925	CEN - CEN/TC 85	
PV11	眼镜架	Spectacle frames	P.02	EN ISO 12870:2025	眼科光学 — 眼镜架 — 要求和试验方法 Ophthalmic optics — Spectacle frames — Requirements and test methods	CEN	20250827	CEN - CEN/TC 170	
PV11	眼镜镜片	Spectacle lenses	P.02	EN ISO 14889:2025	眼科光学 — 眼镜镜片 — 未切边成品镜片的基本要求 Ophthalmic optics — Spectacle lenses — Fundamental requirements for uncut finished lenses	CEN	20250604	CEN - CEN/TC 170	
PV11	滑雪镜	Ski Goggles	P.02	EN ISO 18527-1:2022	运动用眼面部防护 第1部分: 高山滑雪及单板滑雪护目镜的要求 Eye and face protection for sports use Part 1: Requirements for downhill skiing and snowboarding goggles	CEN	20220525	CEN - CEN/TC 85	
PV11	太阳镜和太阳镜片	sunglasses and sunglare filters	P.02	GB 39552.1-2020	太阳镜和太阳镜片 第1部分: 通用要求 Sunglasses and sunglare filters-Part 1: General requirements	国家市场监督管理总局、国家标准化管理委员会	20201117	国家标准[GB 39552.1]	
PV11	眼视光产品	Optometry products	P.02	GB 45184-2024	眼视光产品 元件安全技术规范 Optometry products—Safety technical specifications of component	国家市场监督管理总局、国家标准化管理委员会	20241231	国家标准[GB 45184-2024]	
PV11	眼视光产品	Optometry products	P.02	GB 45185-2024	眼视光产品 成品眼镜安全技术规范 Optometry products—Safety technical specifications of finished spectacle	国家市场监督管理总局、国家标准化管理委员会	20241231	国家标准[GB 45185-2024]	
PV11	眼镜架	Spectacle frames	P.02	GB/T 14214-2019	眼镜架 通用要求和试验方法 Spectacle frames-General requirements and test methods	国家市场监督管理总局、国家标准化管理委员会	20191231	GB/T 14214-2019 眼镜架通用要求和试验方法- 中国标准在线服务网	
PV11	眼镜镜片 未制边镜片	Spectacle lenses - Uncut finished lenses	P.02	GB/T 38005-2019	眼镜镜片 未制边镜片的基本要求 Spectacle lenses-Fundamental requirements for uncut finished lenses	国家市场监督管理总局、国家标准化管理委员会	20190830	国家标准[GB/T 38005]	
PV11	太阳镜和太阳镜片	sunglasses and sunglare filters	P.02	GB/T 39552.2-2020	太阳镜和太阳镜片 第2部分: 试验方法 Sunglasses and sunglare filters-Part 2: test Method	国家市场监督管理总局、国家标准化管理委员会	20201214	国家标准[GB/T 39552.2]	

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PV11	太阳镜和相关眼镜	sunglasses and related eyewear	P.02	ISO 12312-1:2022	眼面部防护 — 太阳镜及相关护目镜 — 第 1 部分：普通用途太阳镜 Eye and face protection — Sunglasses and related eyewear - Part 1: Sunglasses for general use	ISO	20220601	ISO 12312-1:2022 - Eye and face protection — Sunglasses and related eyewear — Part 1: Sunglasses for general use	
PV11	眼镜架	Spectacle frames	P.02	ISO 12870:2024	眼科学 — 眼镜架 — 要求和试验方法 Ophthalmic optics — Spectacle frames — Requirements and test methods	ISO	20241101	ISO 12870:2024 - Ophthalmic optics — Spectacle frames — Requirements and test methods	
PV11	眼镜镜片	Spectacle lenses	P.02	ISO 14889:2025	眼科学 — 眼镜镜片 — 未切边成品镜片的基本要求 Ophthalmic optics — Spectacle lenses — Fundamental requirements for uncut finished lenses	ISO	20250401	ISO 14889:2025 - Ophthalmic optics — Spectacle lenses — Fundamental requirements for uncut finished lenses	
PV11	老花镜	Reading glasses	P.02	ISO 16034:2002	眼科学 — 单光成品老视眼镜规范 Ophthalmic optics — Specifications for single-vision ready-to-wear near- vision spectacles	ISO	20020201	ISO 16034:2002 - Ophthalmic optics — Specifications for single-vision ready-to-wear near- vision spectacles	
PV11	滑雪镜	Ski Goggles	P.02	ISO 18527-1:2021	运动用眼面部防护 第 1 部分：高山滑雪及单板滑雪护目镜的要求 Eye and face protection for sports use Part 1: Requirements for downhill skiing and snowboarding goggles	ISO	20210301	ISO 18527-1:2021 - Eye and face protection for sports use — Part 1: Requirements for downhill skiing and snowboarding goggles	
PV11	游泳镜	Swimming goggles	P.02	ISO 18527-3:2020	运动用眼面部防护 — 第 3 部分：水面游泳用护目镜的要求和测试方法 Eye and face protection for sports use Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	ISO	20201001	ISO 18527-3:2020 - Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	
PV11	游泳镜	Swimming goggles	P.02	ISO 18527-3:2020/Amd 1:2025	运动用眼面部防护 — 第 3 部分：水面游泳用护目镜的要求和测试方法 附件1 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming Amendment 1	ISO	20250801	ISO 18527-3:2020/Amd 1:2025	
PV11	眼镜镜片	Spectacle lenses - optical hard resin lenses	P.02	QB/T 2506-2017	眼镜镜片光学树脂镜片 Uncut finished spectacle lenses-Optical hard resin lenses	工业和信息化部	20170109	行业标准 - 全国标准信息公共服务平台	
PV11	眼镜镜片	Spectacle lenses - optical hard resin lenses	P.02	QB/T 2506-2025	眼镜镜片 光学树脂镜片 Uncut finished spectacle lenses-Optical hard resin lenses	工业和信息化部	20251217	目前还没有生效，全国标准信息公共服务平台还未查询不到	
PV16	出口指示灯	Exit Signs	P.03	BS ISO 3864-1:2023	防火安全指示符号 Standard for fire safety signs	BSI	20110930	https://knowledge.bsigroup.com/products/graphical-symbols-safety-colours-and-safety-signs-design-principles-for-safety-signs-and-safety-markings	
PV16	灯具	Luminaire	P.03	EN 60598-2-5:2015	灯具 第2-5部分: 投光灯具安全要求 Luminaires - Part 2-5: Particular requirements - Floodlights	CEN	20151120	CEN - CENELEC - Search standards	
PV16	电子控制装置	Electronic Control Unit	P.03	EN 61347-1:2015	灯的控制装置 第1部分: 一般要求和安全要求 Lamp controlgear - Part 1: General and safety requirements	CEN	20150515	CEN - CENELEC - Search standards	
PV16	电子控制装置	Electronic Control Unit	P.03	EN 61347-1:2015/A1:2021	灯的控制装置 第1部分: 一般要求和安全要求 Lamp controlgear - Part 1: General and safety requirements	CEN	20210108	CEN - CENELEC - Search standards	
PV16	LED模块用直流或交流电子控制装置	Electronic controlgear for LED module	P.03	EN 61347-2-13:2014	灯的控制装置 第14部分: LED模块用直流或交流电子控制装置的特殊要求 Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules	CEN	20141017	CEN - CENELEC - Search standards	
PV16	LED模块用直流或交流电子控制装置	Electronic controlgear for LED module	P.03	EN 61347-2-13:2014/A1:2017	灯的控制装置第14部分: LED模块用直流或交流电子控制装置的特殊要求 Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules	CEN	20170428	CEN - CENELEC - Search standards	
PV16	应急照明监控系统	Monitored Type Emergency Lighting System	P.03	EN 62034:2012	电池供电应急疏散照明的自动测试系统 Automatic test systems for battery powered emergency escape lighting	CEN	20120511	CEN - CENELEC - Search standards	
PV16	灯具	Luminaire	P.03	EN IEC 60598-1:2021	灯具 第1部分: 一般要求与试验 Luminaires - Part 1: General requirements and tests	CEN	20210319	CEN - CENELEC - Search standards	
PV16	灯具	Luminaire	P.03	EN IEC 60598-1:2021/A11:2022	灯具 第1部分: 一般要求与试验 Luminaires - Part 1: General requirements and tests	CEN	20220408	CEN - CENELEC - Search standards	
PV16	应急灯具 自容式应急照明单元	Emergency Lighting Self-Contained Emergency Lighting Units	P.03	EN IEC 60598-2-22:2022	灯具 - 第2-22部分: 特殊要求 - 应急照明灯具 Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting	CEN	20220624	CEN - CENELEC - Search standards	
PV16	LED模块	LED Module	P.03	EN IEC 62031:2020	普通照明用LED模块 安全要求 LED modules for general lighting – Safety specifications	CEN	20200313	CEN - CENELEC - Search standards	
PV16	LED模块	LED Module	P.03	EN IEC 62031:2020+A11:2021	普通照明用LED模块 安全要求 LED modules for general lighting – Safety specifications	CEN	20211126	CEN - CENELEC - Search standards	

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PV16	LED模块用直流或交流电子控制装置	Electronic controlgear for LED module	P.03	GB 19510.14-2009	灯的控制装置第14部分：LED模块用直流或交流电子控制装置的特殊要求 Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgears for LED modules	工业和信息化部	20091015	国家标准 - 全国标准信息公共服务平台	
PV16	光源	Light sources	P.03	GB 43471-2023	光源 安全要求 Light sources-Safety requirements	国家市场监督管理总局、国家标准化管理委员会	20260101	国家标准[GB 43471-2023]	
PV16	嵌入灯	Recessed Luminaire	P.03	GB 7000.202-2008	灯具 - 第2-2部分：嵌入式灯具的特殊要求 Luminaires – Part 2 – Particular requirements Section 2: Recessed luminaires	工业和信息化部	20081231	国家标准 - 全国标准信息公共服务平台	
PV16	道路与街路照明灯具	Luminaire for street lighting	P.03	GB 7000.203-2013	灯具 第2-3部分：特殊要求 道路与街路照明灯具 Luminaires – Part 2 – Particular requirements Section 3: Luminaires for road and street lighting	工业和信息化部	20131231	国家标准 - 全国标准信息公共服务平台	
PV16	投光灯具	Flood Light	P.03	GB 7000.7-2005	投光灯具安全要求 Safety requirements for floodlights	工业和信息化部	20050118	国家标准 - 全国标准信息公共服务平台	
PV16	电子控制装置 LED 模块	Electronic Control Unit LED Module	P.03	GB/T 19510.1-2023	光源控制装置 第1部分：一般要求和安全要求 Controlgear for electric light sources—Part 1: General and safety requirements	国家市场监督管理总局、国家标准化管理委员会	20260101	国家标准[GB/T 19510.1-2023]	
PV16	LED模块	LED Module	P.03	GB/T 24819-2023	普通照明用LED模块 安全要求 LED modules for general lighting – Safety specifications	国家市场监督管理总局、国家标准化管理委员会	20260101	国家标准[GB/T 24819-2023]	
PV16	灯具	Luminaire	P.03	GB/T 7000.1-2015	灯具 第1部分：一般要求与试验 Luminaires – Part 1: General requirements and tests	工业和信息化部	20101201	国家标准 - 全国标准信息公共服务平台	
PV16	灯具	Luminaire	P.03	IEC 60598-1:2014	灯具 第1部分：一般要求与试验 Luminaires - Part 1: General requirements and tests	IEC	20120526	IEC Webstore homepage IEC	
PV16	灯具	Luminaire	P.03	IEC 60598-1:2020	灯具 第1部分：一般要求与试验 Luminaires - Part 1: General requirements and tests	IEC	20200817	IEC Webstore homepage IEC	
PV16	嵌入灯	Recessed Luminaire	P.03	IEC 60598-2-2:2011	灯具 - 第2-2部分：嵌入式灯具的特殊要求 Luminaires - Part 2-2: Particular requirements - Recessed luminaires and recessed air-handling luminaires	IEC	20111108	IEC Webstore homepage IEC	
PV16	嵌入灯	Recessed Luminaire	P.03	IEC 60598-2-2:2023	灯具 - 第2-2部分：嵌入式灯具的特殊要求 Luminaires - Part 2-2: Particular requirements - Recessed luminaires and recessed air-handling luminaires	IEC	20230116	IEC Webstore homepage IEC	
PV16	投光灯具	Flood Light	P.03	IEC 60598-2-3:2002+A1:2011	灯具 第2-3部分：特殊要求 道路与街路照明灯具 Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting	IEC	20111117	IEC Webstore homepage IEC	
PV16	灯具	Luminaire	P.03	IEC 60598-2-5:2015	灯具 第2-5部分：投光灯具安全要求 Luminaires - Part 2-5: Particular requirements - Floodlights	IEC	20150806	IEC Webstore homepage IEC	
PV16	电子控制装置	Electronic Control Unit	P.03	IEC 61347-1:2007+AMD1:2010+AMD2:2012	灯的控制装置 第1部分：一般要求和安全要求 Lamp controlgear - Part 1: General and safety requirements	IEC	20121127	IEC Webstore homepage IEC	
PV16	电子控制装置	Electronic Control Unit	P.03	IEC 61347-1:2015+AMD1:2017	灯的控制装置 第1部分：一般要求和安全要求 Lamp controlgear - Part 1: General and safety requirements	IEC	20170929	IEC Webstore homepage IEC	
PV16	LED模块	LED Module	P.03	IEC 62031:2018	普通照明用LED模块 安全要求 LED modules for general lighting – Safety specifications	IEC	20180308	IEC Webstore homepage IEC	
PV11	机械设备 (电气安全)	Electrical equipment of machines	P.04	EN 60204-1:2006/A1:2009	机械的安全 机械的电气设备 第1部分：一般要求 Safety of machinery - Electrical equipment of machines - Part 1: General requirements	CENELEC	20090218	CEN - CENELEC - Search standards	
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	EN 61851-1:2011	电动车辆传导充电系统 第1部分：通用要求 Electric vehicle conductive charging system-part 1: General requirements	CENELEC	20110819	CEN - CENELEC - Search standards	
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	EN 61851-21:2002	电动车辆传导充电系统 第21部分：电动车辆与交流/直流电源的连接要求 Electric vehicle conductive charging system-part 21: Electric Vehicle Requirements For Conductive Connection to an A.C./D.C. Supply	CEN	20020110	CEN - CENELEC - Search standards	
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	EN 61851-22:2002	电动车辆传导充电系统 第22部分：电动车辆交流充电机 (站) Electric vehicle conductive charging system-part 22: AC Electric Vehicle charging station	CENELEC	20020115	CEN - CENELEC - Search standards	
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	EN 61851-23:2014	电动车辆传导充电系统 第23部分：直流电动车辆充电桩 Electric vehicle conductive charging system-part 23: DC Electric Vehicle charging station	CENELEC	20140530	CEN - CENELEC - Search standards	
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	EN 61851-24:2014	电动车辆传导充电系统第24部分：用于控制直流充电的直流电动车辆充电站和电动车辆之间的数字通信 Electric vehicle conductive charging system-part 24: Digital communication between a DC EV charging station and an electric Vehicle for control of DC charging	CENELEC	20140530	CEN - CENELEC - Search standards	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	EN 62109-1:2010	用于光伏发电系统的电能转换装置的安全要求 第1部分 通用要求 Safety of power converters for use in photovoltaic power systems Part1: General requirements	CENELEC	20100716	CEN - CENELEC - Search standards	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	EN 62109-2:2011	用于光伏发电系统的电能转换装置的安全要求 第2部分 逆变器的特殊要求 Safety of power converters for use in photovoltaic power systems Part2: Particular requirements of inverters	CENELEC	20110930	CEN - CENELEC - Search standards	

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PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	EN 62477-1:2012	电力电子变换系统及设备的安全要求 第1部分 通用要求 Safety requirements for power electronic converter systems and equipment - Part 1: General	CENELEC	20121005	CEN - CENELEC - Search standards	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	EN 62477-1:2012/A1:2017	电力电子变换系统及设备的安全要求 第1部分 通用要求 Safety requirements for power electronic converter systems and equipment - Part 1: General	CENELEC	20170210	CEN - CENELEC - Search standards	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	EN 62477-1:2012/A11:2014	电力电子变换系统及设备的安全要求 第1部分 通用要求 Safety requirements for power electronic converter systems and equipment - Part 1: General	CENELEC	20140822	CEN - CENELEC - Search standards	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	EN 62477-1:2012/A12:2021	电力电子变换系统及设备的安全要求 第1部分 通用要求 Safety requirements for power electronic converter systems and equipment - Part 1: General	CENELEC	20210205	CEN - CENELEC - Search standards	
PV14	电动汽车传导充电用连接装置	Connection set for conductive charging of electric vehicles	P.04	EN 62752: 2016+A1:2020	电动汽车模式2 充电的缆上控制与保护装置(IC-CPD) In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD)	CENELEC	20200508	CEN - CENELEC - Search standards	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	Enedis-PRO-RES_64E:2017	连接技术规范：用户并网技术要求 - 2017版 Technical Reference for Connection (Technical Requirements for Grid Connection for Users) - 2017 Edition	Enedis	20170301		
PV15	地面用光伏组件	Terrestrial photovoltaic (PV) modules	P.04	GB/T 20047.1—2025	光伏组件安全鉴定第1部分：结构要求 Safety Appraisal of Photovoltaic Modules - Part 1: Structural Requirements	国家市场监督管理总局、国家标准化管理委员会	20251231	国家标准[GB/T 20047.1-2025]	
PV15	地面用光伏组件	Terrestrial photovoltaic (PV) modules	P.04	GB/T 20047.2—2025	光伏组件安全鉴定第2部分：测试要求 Safety Appraisal of Photovoltaic Modules - Part 2: Test Procedures	国家市场监督管理总局、国家标准化管理委员会	20251231	国家标准 - 全国标准信息公共服务平台	
PV14	电动汽车传导充电用连接装置	Connection set for conductive charging of electric vehicles	P.04	GB/T 20234.1-2015	电动汽车传导充电用连接装置 第1部分：通用要求 Connection set for conductive charging of electric vehicles –Part 1: General requirements	国家标准 全国汽车标准化技术委员会	20230907	国家标准 - 全国标准信息公共服务平台	
PV14	电动汽车传导充电用连接装置	Connection set for conductive charging of electric vehicles	P.04	GB/T 20234.2-2015	电动汽车传导充电用连接装置 第2部分：交流充电接口 Connection set for conductive charging of electric vehicles –Part 2: AC charging coupler	全国汽车标准化技术委员会	20151228	国家标准 - 全国标准信息公共服务平台	
PV14	电动汽车传导充电用连接装置	Connection set for conductive charging of electric vehicles	P.04	GB/T 20234.3-2015	电动汽车传导充电用连接装置 第3部分：交流充电接口 Connection set for conductive charging of electric vehicles –Part 3: DC charging coupler	工业和信息化部 中华人民共和国国家质量监督检验检疫总局、中国国家标准化管理委员会	20151228	国家标准[GB/T 20234.3-2015]	
PV15	地面用光伏组件	Terrestrial photovoltaic (PV) modules	P.04	GB/T 9535.101—2025	地面用光伏组件 设计鉴定和定型 第1-1部分：晶体硅光伏组件测试的特殊要求 Design, qualification and type approval of ground-mounted photovoltaic modules - Part 1-1: Special requirements for testing crystalline Silicon photovoltaic modules	国家市场监督管理总局、国家标准化管理委员会	20251231	国家标准[GB/T 9535.101-2025]	
PV15	地面用光伏组件	Terrestrial photovoltaic (PV) modules	P.04	GB/T 9535.1—2025	地面用光伏组件 设计鉴定和定型 第1部分：测试要求 Design, qualification and type approval of ground-mounted photovoltaic modules - Part 1: Test requirements	国家市场监督管理总局、国家标准化管理委员会	20251005	国家标准[GB/T 9535.1-2025]	
PV15	地面用光伏组件	Terrestrial photovoltaic (PV) modules	P.04	GB/T 9535.2—2025	地面用光伏组件 设计鉴定和定型 第2部分：试验程序 Design, qualification and type approval of ground-mounted photovoltaic modules - Part 2: Test Procedures	国家市场监督管理总局、国家标准化管理委员会	20251005	国家标准[GB/T 9535.2-2025]	
PV11	空间用抗辐射玻璃盖板	Antiradiation coverglass used in space	P.04	GJB 1976A-2021	空间用抗辐射玻璃盖板规范 Specification for antiradiation coverglass used in space	中央军委装备发展部	20220301		
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 60068-2-1:2007	环境试验 - 第2-1部分：试验 - 试验 A：冷 IEC 60068-2-1:2007 Environmental testing –Part 2-1:Tests –Test A: Cold	IEC	20070313	IEC Webstore homepage IEC	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 60068-2-14:2023	环境试验 - 第2-14部分：试验 - 试验 N：温度变化 Environmental testing –Part 2-14: Tests –Test N: Change of temperature	IEC	20230727	IEC Webstore homepage IEC	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 60068-2-2:2007	环境试验 - 第2-2部分：试验 - 试验 B：干热 Environmental testing –Part 2-2:Tests –Test B: Dry heat	IEC	20070716	IEC Webstore homepage IEC	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 60068-2-27:2008	环境试验 - 第2-27部分：试验 - 试验 Ea 和指导：冲击 Environmental testing –Part 2-27: Tests –Test Ea and guidance: Shock	IEC	20080227	IEC Webstore homepage IEC	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 60068-2-30:2005	环境试验 - 第2-30部分：试验 - 试验 Db 和指导：湿热 Environmental testing –Part 2-30: Tests –Test Db and guidance: Damp heat	IEC	20050810	IEC Webstore homepage IEC	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 60068-2-64:2008/A1: 2019	环境试验 - 第2-64部分：试验 - 试验 Fh 和指导：随机震动 Environmental testing –Part 2-64:Tests –Test Fh: Random vibrations	IEC	20191009	IEC Webstore homepage IEC	
PV15	地面用晶硅光伏组件	PV Module	P.04	IEC 60068-2-68:1994	环境试验 第2部分：试验 - 试验 L：灰尘和沙尘 Environmental testing - Part 2: Tests - Test L: Dust and sand	IEC	19940817	IEC Webstore homepage IEC	
PV15	地面用晶硅光伏组件	PV Module	P.04	IEC 61215-1-2:2016	地面用晶硅光伏组件-设计鉴定和定型 第1-2部分：碲化镉薄膜光伏组件测试的特殊要求 Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	IEC	20161207	IEC Webstore homepage IEC	

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PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 61215-1-2:2021	地面用晶体硅光伏组件-设计鉴定和定型 第1-2部分：碲化镉薄膜光伏组件测试的特殊要求 Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	IEC	20210209	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 61215-1-3:2016	地面用光伏组件 设计鉴定和定型 第1-3部分：薄膜非晶硅光伏组件测试的特殊要求 Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules.	IEC	20161207	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 61215-1-3:2021	地面用光伏组件 设计鉴定和定型 第1-3部分：薄膜非晶硅光伏组件测试的特殊要求 Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules.	IEC	20210223	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 61215-1-4:2016	地面用光伏组件 设计鉴定和定型 第1-4部分：基于Cu (In,Ga) (S,Se) 2薄膜光伏组件测试的特殊要求 (PV) modules - Design qualification and type approval-Part 1-4: Special requirements for testing of thin-film Cu (In,Ga) (S,Se) 2 based photovoltaic (PV) modules.	IEC	20161207	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 61215-1-4:2021	地面用光伏组件 设计鉴定和定型 第1-4部分：基于Cu (In,Ga) (S,Se) 2薄膜光伏组件测试的特殊要求 (PV) modules - Design qualification and type approval-Part 1-4: Special requirements for testing of thin-film Cu (In,Ga) (S,Se) 2 based photovoltaic (PV) modules.	IEC	20210223	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 61701:2011	光伏组件盐雾腐蚀测试 Salt mist corrosion testing of photovoltaic (PV) modules.	IEC	20111215	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 61701:2020	光伏组件盐雾腐蚀测试 Salt mist corrosion testing of photovoltaic (PV) modules.	IEC	20200611	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 61730-1:2016	光伏组件安全鉴定 第1部分：结构要求 Photovoltaic module safety qualification – Part 1: Requirements for construction	IEC	20230913	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 61730-2:2016	光伏组件安全鉴定 第2部分：测试要求 Photovoltaic module safety qualification – Part 2: Requirements for testing	IEC	20160818	IEC Webstore homepage IEC	
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	IEC 61851-1:2017	电动车辆传导充电系统 第1部分：通用要求 Electric vehicle conductive charging system-part 1: General requirements	IEC	20170207	IEC Webstore homepage IEC	
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	IEC 61851-21-1:2017	电动车辆传导式充电系统 - 第21-1部分：电动车辆车载充电器通过交流/直流电源连接的电磁兼容性要求 Electric vehicle conductive charging system - Part 21-1 Electric vehicle on-board charger EMC requirements for conductive connection to AC/DC supply	IEC	20170619	IEC Webstore homepage IEC	
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	IEC 61851-22:2001	电动车辆传导充电系统 第22部分：电动车辆交流充电机（站） Electric vehicle conductive charging system-part 22: AC Electric Vehicle charging station	IEC	20010504	CEN - CENELEC - Search standards	
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	IEC 61851-23:2023	电动车辆传导充电系统 第23部分：直流电动车辆充电桩 Electric vehicle conductive charging system-part 23: DC Electric Vehicle charging station	IEC	20231213	IEC Webstore homepage IEC	
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	IEC 61851-24:2023	电动车辆传导式充电系统 第24部分：用于直流充电控制的直流电动汽车供电设备与电动汽车之间的数字通信 Electric vehicle conductive charging system - Part 24: Digital communication between a DC EV supply equipment and an electric vehicle for control of DC charging	IEC	20231213	IEC Webstore homepage IEC	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 62040-1:2017	不间断电源设备 第1部分 安全要求 Uninterruptible power systems (UPS) – Part 1: Safety requirements	IEC	20170712	IEC Webstore homepage IEC	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 62109-1:2010	用于光伏发电系统的电能转换装置的安全要求 第1部分 通用要求 Safety of power converters for use in photovoltaic power systems Part1: General requirements	IEC	20100428	IEC Webstore homepage IEC	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 62109-2:2011	用于光伏发电系统的电能转换装置的安全要求 第2部分 逆变器的特殊要求 Safety of power converters for use in photovoltaic power systems Part 2: Particular requirements for inverters	IEC	20110623	IEC Webstore homepage IEC	
PV14	电动汽车传导充电连接装置	Connection set for conductive charging of electric vehicles	P.04	IEC 62196-1:2022	插头、插座、汽车连接器和汽车接口 电动汽车传导充电 第1部分：通用要求 Plugs, socketoutlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 1: General requirements	IEC	20220503	IEC Webstore homepage IEC	

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PV14	电动汽车传导充电用连接装置	Connection set for conductive charging of electric vehicles	P.04	IEC 62196-2:2022	第 2 部分: 交流插销和插套的电器附件的尺寸兼容性和 互换性要求 Plugs, socketoutlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 2: Dimensional compatibility requirements for AC pin and contacttube accessories	IEC	20221019	IEC Webstore homepage IEC	
PV14	电动汽车传导充电用连接装置	Connection set for conductive charging of electric vehicles	P.04	IEC 62196-3:2022	插头、插座、汽车连接器和汽车接口 电动汽车传导充 电 第 3 部分: 直流和交流/直流插销和插套电器附件的尺寸互换性要求 Plugs, socketoutlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 3: Dimensional compatibility	IEC	20221019	IEC Webstore homepage IEC	
PV14	电动汽车传导充电用连接装置	Connection set for conductive charging of electric vehicles	P.04	IEC 62196-6:2022	插头、插座、车辆连接器和车辆插座 电动车辆的导电充电 第2部分:交流插脚 和接触管附件的尺寸兼容性要求 Plugs, socket outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 6: Dimensional compatibility requirements for DC pin and contacttube vehicle couplers intended to be used for DC EV supply equipment where protection relies on electrical separation	IEC	20220422	IEC Webstore homepage IEC	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 62477-1:2022	电力电子变换系统及设备的安全要求第1部分通用要求 Safety requirements for power electronic converter systems and equipment - Part1:General	IEC	20220520	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 62716:2013	光伏组件氨气腐蚀测试 Photovoltaic (PV) modules – Ammonia corrosion testing	IEC	20130627	IEC Webstore homepage IEC	
PV14	电动汽车传导充电用连接装置	Connection set for conductive charging of electric vehicles	P.04	IEC 62752:2016+A1:2018	电动汽车模式2 充电的缆上控制与保护装置(IC-CPD) In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD)	IEC	20180913	IEC Webstore homepage IEC	
PV14	电动汽车传导充电用连接装置	Connection set for conductive charging of electric vehicles	P.04	IEC 62752:2024	电动汽车模式2 充电的缆上控制与保护装置(IC-CPD) In-cable control and protection device (IC-CPD) for mode 2 charging of electric road vehicles	IEC	20240327	IEC 62752:2024 IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 62759-1:2015	光伏组件 – 运输测试- 第1部分: 组件包装单元的运输和航运 Transportation Testing - Part 1: Transportation And Shipping Of Module Package Units	IEC	20150626	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 62759-1:2022	光伏组件 – 运输测试- 第1部分: 组件包装单元的运输和航运 Transportation Testing - Part 1: Transportation And Shipping Of Module Package Units	IEC	20200707	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 62892:2019	光伏组件热循环加严-测试过程 Extended thermal cycling of PV modules - Test procedure>	IEC	20190417	IEC Webstore homepage IEC	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 62909-1:2017	双向并网功率转换器 第1部分 通用要求 Bi-directional grid connected power converters-Part1:General requirements	IEC	20170519	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 62938:2020	不均匀雪载 Non-uniformity snow load	IEC	20200514	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC TS 62782:2016	动态机械载荷测试 Dynamic Mechanical Load Testing	IEC	20160309	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC TS 62804-1:2015	光伏组件电势差诱导衰减测试方法 – 第1部分 晶体硅组件 Photovoltaic (PV) modules – Test methods for the detection of potential-induced degradation– Part 1: Crystalline silicon	IEC	20111108	IEC Webstore homepage IEC	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC TS 62910:2020	光伏逆变器 低电压穿越试验程序 Test procedure of Low Voltage Ride Through(LVRT)measurement for utility-interconnected photovoltaic	IEC	20200724	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC TS 63126:2020	用于高温下操作的光伏模块、组件和材料的合格指南 Guidelines for qualifying PV modules, components and materials for operation at high temperatures	IEC	20200622	IEC Webstore homepage IEC	
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC TS 63163:2021	消费品用地面光伏(PV)组件.设计鉴定和型式认证 Terrestrial photovoltaic (PV) modules for consumer products – Design qualification and type approval	IEC	20210914	IEC Webstore homepage IEC	
PV14	电动汽车传导充电用连接装置	Connection set for conductive charging of electric vehicles	P.04	NB/T 42077-2016	电动汽车模式2 充电的缆上控制与保护装置(IC-CPD) In-cable control and protection device for mode 2 charging of electric road vehicles (ICCPD)	全国低压电器标准化技术委员会	20160816	行业标准 – 全国标准信息公共服务平台	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	Philippine Distribution Code 2017 Edition	菲律宾配电网准则PDC:2017 Philippine Distribution Code 2017 Edition	ERC	20170808		
PV11	机械 半导体制造设备	Machinery Semiconductor Manufacturing Equipment	P.04	SEMI F47-0706	半导体加工设备电压骤降抗扰度规范 Specification for Semiconductor Processing Equipment Voltage Sag Immunity	SEMI	20060516	SEMI标准介绍 SEMI	
PV11	机械 半导体制造设备	Machinery Semiconductor Manufacturing Equipment	P.04	SEMI S17-0319	无人驾驶运输车辆系统安全指南 Safety Guideline for Unmanned Transport Vehicle (UTV) System	SEMI	20181019	SEMI标准介绍 SEMI	
PV11	半导体制造设备	Semiconductor Manufacturing Equipment	P.04	SEMI S23-1021	半导体制造设备的能源、公用事业和材料使用效率指南 Guide for Energy, Utilities, and Materials Use Efficiency of Semiconductor Manufacturing Equipment	SEMI	20220818	SEMI标准介绍 SEMI	
PV11	机械 半导体制造设备	Machinery Semiconductor Manufacturing Equipment	P.04	SEMI S23-1021E2	半导体制造设备的安全卫生及环保标准 Environmental, Health, and Safety Guideline for Semiconductor Manufacturing Equipment	SEMI	20220818	SEMI标准介绍 SEMI	

TÜV莱茵产品符合性认证范围
Scope of TÜV Rheinland CoC Certification

PV11	机械 半导体制造设备	Machinery Semiconductor Manufacturing Equipment	P.04	SEMI S28-1011	半导体制造设备用机器人和装接口安全指南 Safety Guideline for Robots and Load Ports Intended for Use in Semiconductor Manufacturing Equipment	SEMI	20110912	SEMI标准介绍 SEMI	
PV11	机械 半导体制造设备	Machinery Semiconductor Manufacturing Equipment	P.04	SEMI S30-0824	半导体制造设备的安全卫生及环保标准 Environmental, Health, and Safety Guideline for Semiconductor Manufacturing Equipment	SEMI	20230821	SEMI标准介绍 SEMI	
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	SS 722-1:2026	电动车辆充电系统 – 第1部分: 电气安全和通用要求 Electric vehicles charging system – Part 1: Electrical safety and general requirements	Standards Division, Enterprise Singapore	20260401	Singapore Standards	
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	SS 722-2:2026	电动车辆充电系统 – 第2部分: 低功率充电及无线电力传输系统 Electric vehicles charging system – Part 2: Low-power charging and wireless power transfer systems	Standards Division, Enterprise Singapore	20260401	Singapore Standards	
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	SS 722-3:2026	电动车辆充电系统 – 第3部分: 直流 (DC) 电动汽车充电系统 Electric vehicles charging system – Part 3: DC electric vehicle charging system	Standards Division, Enterprise Singapore	20260401	Singapore Standards	
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	SS 722-4:2026	电动车辆充电系统 – 第4部分: 电池更换及移动式充电系统 Electric vehicles charging system – Part 4: Battery swapping and mobile charging system	Standards Division, Enterprise Singapore	20260401	Singapore Standards	
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	TR 25-1:2022	电动车辆充电系统 第1部分: 电气安全和通用要求 Electric vehicles charging system - Part 1: Electrical safety and general requirement	TOPPAN NEXT Pte. Ltd.	20220228	Singapore Standards	见EV charging system页
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	TR 25-1:2022+A1:2025	电动车辆充电系统 第1部分: 电气安全和通用要求 Electric vehicles charging system – Part 1 : Electrical safety and general requirements	TOPPAN NEXT Pte. Ltd.	20250201	Singapore Standards	见EV charging system页
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	TR 25-2:2022	电动车辆充电系统——第2部分: 低功率充电 Electric vehicles charging system – Part 2 : Low power charging	TOPPAN NEXT Pte. Ltd.	20220225	Singapore Standards	见EV charging system页
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	TR 25-3:2022	电动车辆充电系统——第3部分: 高功率充电 Electric vehicles charging system – Part 3: High power charging	TOPPAN NEXT Pte. Ltd.	20220401	Singapore Standards	见EV charging system页
PV14	电动车辆充电系统	Electric Vehicles charging system	P.04	TR 25-4:2022	电动车辆充电系统——第4部分: 电池互换 Electric vehicles charging system – Part 4 : Battery swapping	TOPPAN NEXT Pte. Ltd.	20220301	Singapore Standards	见EV charging system页
PV13	电力储能系统	Energy Storage system	P.04	TR 77-1:2020 (2023)	电力储能系统的规划和性能评估-通用规范 Electrical energy storage (EES) systems – Part 1 : Planning and performance assessment of electrical energy storage systems – General specification)	Singapore Standards	20200724	Singapore Standards	
PV13	电力储能系统	Energy Storage system	P.04	TR 77-2:2020	并网一体化储能系统的安全考虑-通用规范 Electrical energy storage (EES) systems – Safety considerations for grid-integrated EES systems – General specification	Singapore Standards	20200724	Singapore Standards	
PV14	保险丝座	Fuse holder	P.04	UL 4248-1:2022	保险丝座 – 第一部分: 通用要求 Fuseholders – Part 1: General Requirements	UL	20220331	Purchase UL Standards Online UL Standards & Engagement	
PV14	保险丝座	Fuse holder	P.04	UL 4248-19:2021	保险丝座 – 第十九部分: 光伏保险丝座 Fuseholders – Part 19: Photovoltaic Fuseholders	UL	20210331	Purchase UL Standards Online UL Standards & Engagement	
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	UNE 217002:2020	电动车充电站的安装要求 Requisitos de instalación de estaciones de recarga para vehículos eléctricos	UNE	20201014		
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	UTE C15-712-1:2013	光伏系统安装 - 无储能的公共配电网并网系统 Installations photovoltaïques sans stockage - Raccordées au réseau public de distribution	AFNOR	20130801		

电动车辆充电系统型式认证实施说明（TR 25）

电动汽车（EV）充电器的批准

表 1：LTA 接受的 TR25 标准下的 EV 充电器类型

TR25:2022 或 TR25:2022 + A1:2025		
	模式 2 充电器	额定功率为 3.6 kW 至 22 kW 的非固定式交流充电器（受限制）
	模式 2A 充电器	最高 2.3 kW 的固定式交流充电器 最高 2.3 kW 的非固定式交流充电器
	模式 2B 充电器	最高 2.3 kW 的固定式直流充电器 最高 2.3 kW 的非固定式直流充电器
	模式 3 充电器	固定式交流充电器（受限制） 固定式交流充电器（非受限制）
	模式 4 充电器	最高 500 kW 的固定式直流充电器

型号核准申请可能涵盖多个充电器子型号/变体

9.对于在安全性方面存在显著差异的电动汽车充电器，必须分别申请型号核准。当充电器在以下属性上存在差异时，需要单独申请型号核准：

- 额定电压
- 额定功率
- 充电模式（例如：交流电、直流电）
- 接头类型（例如：Type 2、CCS 2、CHAdEMO）
- 单接头或多接头

10.如果电动汽车充电器的安全特性没有实质性差异，则单个型号核准申请可以涵盖多个变体或子型号。这些差异包括（但不限于）：外壳颜色、连接类型（例如：Wifi、4G）以及充电器是否配备显示屏。申请人必须在申请中提交所有变体或子型号的列表及其差异。

11.单接头的电动汽车充电器型号应与多接头（即超过一个接头）的电动汽车充电器型号分开提交型号核准申请。如果某一充电器型号提供不同数量的多接头（例如：两个接头和四个接头），这些变体/子型号可以包含在同一型号核准申请中，作为多接头充电器型号的一部分。

12.如果申请人不确定是否需要单独的型号核准，可以通过电子邮件联系 EVCS_Applications@lta.gov.sg 以获取建议。

13.当型号核准申请涵盖电动汽车充电器型号的多个变体/子型号时，申请人应在申请中提交这些变体/子型号的 Excel 模板。您可以通过发送邮件至 EVCS_application@lta.gov.sg

请求该模板。申请可以使用一个“型号参考”来代表同一申请中包含的变体/子型号。申请人必须在同一申请中提供子型号/变体的详细信息，例如型号名称及技术/非技术差异。

表格 3：电动汽车充电器型号参考的示例表格

型号名称	技术/非技术差异	型号核准申请
XXX-7-A	额定功率为7 kW；具有Wi-Fi功能	申请人可以使用型号参考 (XXX-7-[x]) 提交单一型号核准申请，该申请可以包括XXX-7-A和XXX-7-B。所使用的型号参考与测试报告中注明的型号参考不同。
XXX-7-B	额定功率为7 kW；配备RFID读卡器	
XXX-22-A	额定功率为22 kW；具有Wi-Fi功能	额定功率为22 kW的充电器需要单独提交型号核准申请。 申请人可以使用型号参考 (XXX-22-[x]) 提交单一型号核准申请，该申请可以包括XXX-22-A和XXX-22-B。所使用的型号参考与测试报告中注明的型号参考不同。

电动汽车充电器型号核准的技术合规检查表

表格 4：基于充电器类型的电动汽车充电器技术要求

序号	充电器类型	适用标准
1	固定式交流充电器：可壁挂或落地式的交流充电器（模式3）。	TR 25-1:2022 或 TR25:2022+A1:2025
2	便携式交流充电器：带有电缆控制和保护装置（IC-CPD）的交流充电器，额定功率输出在3.6kW至22kW之间（模式2）。	TR 25-1:2022 或 TR25-1:2022+A1:2025，需包括以下测试报告：a) IEC 62752（仅允许符合TR 25:2022模式2充电第5.3.2.2条的Case B1）
3	固定式直流充电器：额定功率输出不超过200kW的组合充电系统（CCS）和CHAdEMo直流车外充电器（模式4）。请参考序号7，适用于额定功率输出超过150kW的固定式直流充电器，使用热管理系统或高功率充电的自动连接装置。	TR 25-1:2022 或 TR25-1:2022+A1:2025
6	便携式低功率充电器（额定功率输出不超过2.3kW），可以是： 1. 带有IC-CPD的低功率交流充电器（模式2A），或 2. 低功率直流车外充电器（模式2B）	1. TR 25-1:2022 或 TR25-1:2022+A1:2025，和 2. TR 25-2:2022，需包括以下测试报告： a) 对于模式2A – IEC 62752（仅允许Case B1），或 b) 对于模式2B – IEC 60335-2-29。
7	固定式高功率充电器（额定功率输出超过150kW），可以是： 1.组合充电系统（CCS）和CHAdEMo直流车外充电器（模式4），输出电压和电流分别高达1500VDC和500A，并使用热感应（带或不带热传输和热交换），或 2.带有ACD（自动连接装置）的直流充电系统，用于与电动车进行导电连接，供电电压最高可达1000VAC或1500VDC，输出电压最高可达1500VDC。	1. TR 25-1:2022 或 TR25-1:2022+A1:2025，和 2. TR 25-3:2022
8	用于电动摩托车的电池更换系统，可以是： 1. 电池充电与更换站（BCSS）：可以存储和充电可更换的可充电储能系统（RESS），并永久连接到电源主电网。 2. 电池存储与更换站（BSSS）：仅可存储RESS。	1. 对于BCSS：TR 25-1:2022 或 TR25:2022+A1:2025，以及 TR 25-4:2022，或 2. 对于BSSS：TR 25-4:2022。

样品提交要求如下：

- 若申请中仅包含一个型号，应提交该型号样品 1 个；
- 若申请涵盖多个充电器子型号/变体，则每增加 1 个变体，应额外提交 1 个样品；
- 对于《电动车辆充电器供应指南》中未明确列为需要进行差异判断的属性，可视为无需重复送样。