

## 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》

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	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。

## 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本文件附件 1。

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。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。

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### 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。
- 用户手册。
- 产品的目标市场。

##### 4.1.2 核对问询 (步骤 300)

需要核对以下信息：

- 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。
- 产品的目标市场。

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

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- 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。
- 附件 1 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文件 MS-0050539 的附件 1 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)

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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 Annex 1 所描述的范围中。

**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。

### 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。**

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### 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附件 1 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

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。

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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

在本文件附件 1 的认证范围内，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；
- 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

在本文件附件 1 的认证范围内，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）。

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**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：

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

### 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。

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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 2 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 2 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。

**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。

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### 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）。

#### 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。

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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。

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。

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### 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。

## 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。 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 Scope of TÜV Rheinland CoC Certification.xlsx*  
*Annex 2 of MS-0050539 TÜV Rheinland CoC Certification Checklist.pdf*

## 8. 相关文件

*MS-0020192 - Global Product Certification Process*

## 9. 外部参考文件

N/A

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

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.
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.

**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 Annex 1 of this document.

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.

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.

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**4. Activities****4.1 Application****4.1.1 Receive customer inquiry (step 200)**

Sales receives 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).
- License holder information: company name of license holder, address (consistent with business license).
- Invoice information (consistent with business license).
- Product name, model/type designation, intended use.
- Services, Standard(s).
- User manual.
- Target market of the product.

**4.1.2 Check inquiry (step 300)**

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 of the product.

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

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- 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 license 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 Annex 1.
- 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, 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 the scope of Annex 1 of MS-0050539.

##### **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.

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- 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 Annex 1.

**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)**

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

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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 Annex 1. 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).
- 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.

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- 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 Annex 1 of this document, 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.
- 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 Annex 1 of this document, 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).

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**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)**

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.

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Annex 2 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.

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 2 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)**

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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 license 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.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.

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.

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**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;

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.

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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.

### **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

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**7. Attachments**

*Annex 1 of MS-0050539 Scope of TÜV Rheinland CoC Certification.xlsx*  
*Annex 2 of MS-0050539 TÜV Rheinland CoC Certification Checklist.pdf*

**8. Related Documents**

*MS-0020192 - Global Product Certification Process*

**9. External Reference Documents**

*N/A*

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/技术规范 发布/发布单位	认证依据标准/技术规范 发布/发布日期	标准和技术规范公开方式或可获取的途径
PV10	门	Doors	102	EN 81-58:2022	升降机的安装和安装、检验和试验、第5部分：门耐火试验 Safety rules for the construction and installation of lifts - Examination and tests - Part 5: Lifting doors fire resistance test	CEN	20221130	CEN-CENELEC - CEN-CENELEC
PV11	空气压缩机	Air compressor	102	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	102	ISO 8573-2:2018	压缩空气 - 污染物限值 - 第2部分：油蒸气含量 Compressed air — Contaminant measurement — Part 2: Oil aerosol content	ISO	20180228	ISO - Store
PV11	空气压缩机	Air compressor	102	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	支架	Brackets	102	2 PIG CH 04125/08.25	支架的安全 Safety of brackets	莱茵检测认证服务 (中国) 有限公司	20250801	
PV11	电缆桥架	Cable tray	102	EN 61537:2007	电缆管理 - 电缆桥架系统和电缆梯架系统 Cable management - Cable tray systems and cable ladder systems	CEN	20166420	CEN-CENELEC - CEN-CENELEC
PV11	链式起重机构	Chain Hoist	102	SQP2:2024	电动链式起重机构 Elektrokettenzug	IGWV	20240301	https://www.igwv.org/standards-der-qualitaet/sqp2/
PV11	链式起重机构	Chain hoists	102	EN 14492-1:2006+A1:2009	起重机构 - 电动链式起重机构 - 第1部分：电动链式起重机构 Cranes - Power driven winches and hoists - Part 1: Power driven winches	CEN	20091021	CEN-CENELEC - CEN-CENELEC
PV11	链式起重机构	Chain hoists	102	EN 14492-1:2006+A1:2009/AC:2010	起重机构 - 电动链式起重机构 - 第1部分：电动链式起重机构 Cranes - Power driven winches and hoists - Part 1: Power driven winches	CEN	20091021	CEN-CENELEC - CEN-CENELEC
PV11	链式起重机构	Chain hoists	102	EN 14492-2:2006+A1:2009	起重机构 - 电动链式起重机构 - 第2部分：电动链式起重机构 Cranes - Power driven winches and hoists - Part 2: Power driven hoists	CEN	20090930	CEN-CENELEC - CEN-CENELEC
PV11	链式起重机构	Chain hoists	102	EN 14492-2:2006+A1:2009/AC:2010	起重机构 - 电动链式起重机构 - 第2部分：电动链式起重机构 Cranes - Power driven winches and hoists - Part 2: Power driven hoists	CEN	20090930	CEN-CENELEC - CEN-CENELEC
PV11	链式起重机构	Chain hoists	102	EN 14492-2:2019	起重机构 - 电动链式起重机构 - 第2部分：电动链式起重机构 Cranes - Power driven winches and hoists - Part 2: Power driven hoists	CEN	20191206	CEN-CENELEC - CEN-CENELEC
PV11	控制柜	Control cabinet	102	EN IEC 62208:2023	用于低压开关设备和控制设备的控制柜的通用要求 Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements	CEN	20230601	CEN-CENELEC - CEN-CENELEC
PV11	控制柜	Control Cabinet	102	EN 60529:1991/A2:2013/AC:2019-02	外壳防护等级 (IP Code) Degrees of protection provided by enclosures (IP Code)	CEN	20190222	CEN-CENELEC - CEN-CENELEC
PV11	控制柜	Control cabinet	102/P04	EN 60204-33:2011	机械安全 - 机械电气设备 - 第3部分：半导体制造设备的特殊要求 Safety of machinery - Electrical equipment of machines - Part 33: Requirements for semiconductor fabrication equipment	CEN	20120228	CEN-CENELEC - CEN-CENELEC
PV11	控制柜	Control cabinet	102	EN 60204-1:2018	机械安全 - 机械电气设备 - 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	工业机器人	Industrial Robot	102	EN 12999:2020+A1:2025	起重机 - 装载机 Cranes - Loader cranes	CEN	20250312	CEN-CENELEC - CEN-CENELEC
PV11	起重机	Cranes	102	EN 14238:2004-A1:2009	起重机 - 手动控制负载搬运装置 Cranes - Manually controlled load manipulating devices	CEN	20090812	CEN-CENELEC - CEN-CENELEC
PV11	起重机	Cranes	102	EN 14439:2025	起重机 - 安全 - 塔式起重机 Cranes - Safety - Tower cranes	CEN	20250625	CEN-CENELEC - CEN-CENELEC
PV11	起重机	Cranes	102	EN 14985:2012	起重机 - 旋臂式起重机 Cranes - Slewing jib cranes	CEN	20120215	CEN-CENELEC - CEN-CENELEC
PV11	起重机	Cranes	102	EN 15011:2020	起重机 - 桁架式起重机构 Cranes - Bridge and gantry cranes	CEN	20201209	CEN-CENELEC - CEN-CENELEC
PV11	起重机	Cranes	102	EN 15056:2006-A1:2009	起重机 - 集装箱操作起重机构的要求 Cranes - Requirements for container handling spreaders	CEN	20090520	CEN-CENELEC - CEN-CENELEC
PV11	起重机	Cranes	102	EN 16851:2017-A1:2020	起重机 - 轻型起重机构 Cranes - Light crane systems	CEN	20201216	CEN-CENELEC - CEN-CENELEC
PV11	起重机构	Rail dependent storage and retrieval equipment Machinery	102	EN 60204-32:2008	机械安全 - 机械电气设备 - 第32部分：起重机构的要求 Safety of machinery - Electrical equipment of machines - Part 32: Requirements for hoisting machines	CEN	20080905	CEN-CENELEC - CEN-CENELEC
PV11	移动式工作平台	Mobile working platform	102	EN IEC 60204-32:2025	机械安全 - 机械电气设备 - 第32部分：起重机构的要求 Safety of machinery - Electrical equipment of machines - Part 32: Requirements for hoisting machines	CEN	20250523	CEN-CENELEC - CEN-CENELEC
PV11	移动式工作平台	Mobile working platform	102	BS 476-22:1987	建筑材料与结构的火灾测试 - 确定非承重结构耐火性能的方法 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	门	Doors	102	EN 16005:2023-A1:2024	电动行人门 - 使用安全 - 要求和试验方法 Power operated pedestrian doorsets - Safety in use - Requirements and test methods	CEN	20240327	CEN-CENELEC - CEN-CENELEC
PV11	电梯	Elevator	102	2 PIG CH 0002/10.22	电梯的能量测量分級标准 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	102	2 PIG CH 0016/10.23	电梯的能量性能等级与定义: A+, A++, A+++ 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	102	2 PIG CH 0037/10.23	带有能量回馈装置的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	102	2 PIG CH 04109/08.25	电梯的能量性能等级与定义: A+, A++, A+++ 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	20250820	
PV11	电梯	Elevator	102	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 (升降机构) 的能量计算和分类条件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	电梯	Elevator	102	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	20211120	ISO - Store
PV11	电梯	Elevator	102	VDI 4707 Blatt 1/Part 1	电梯 - 能效效率 Lifts - Energy efficiency	VDI	20090301	https://www.vdi.de/en/home/vdi-standards/details/vdi-4707-blatt-1-lifts-energy-efficiency
PV11	电梯	Elevator	102	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 Elevators, automatic escalators and automatic moving walks. Part 1: Energy measurement and verification	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	自动扶梯	Escalator	102	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类 Elevators, automatic escalators and automatic moving walks. Part 2: Energy calculation and classification	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	102	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	自动扶梯	Escalator	102	2 PIG CH 0001/10.22	自动扶梯和自动人行道的乘坐质量分級标准 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	自动扶梯	Escalator	102	EN 115-1:2017	自动扶梯和自动人行道的安全 - 第1部分：构造和安装 Safety of escalators and moving walks - Part 1: Construction and installation	CEN	20170719	CEN-CENELEC - CEN-CENELEC
PV11	自动扶梯	Escalator	102	GB/T 30559.3-2017	电梯、自动扶梯和自动人行道的能量性能第3部分：自动扶梯和自动人行道的能量计算和分类 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
PV11	自动扶梯	Escalator	102	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：自动扶梯和自动人行道的能量计算与分类 Energy performance of lifts, escalators and moving walks — Part 3: Energy calculation and classification of escalators and moving walks	ISO	20150331	ISO - Store
PV11	框架	Frame	102	EN 1004-1:2020	由预制件组成的移动式工作平台 - 第1部分：材料、设计、测试和性能要求 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	框架	Frame	102	EN 12810-2:2003	由预制件组成的外脚手架 - 第2部分：结构设计的特殊方法 Facade scaffolds made of prefabricated components - Part 2: Particular methods of structural design	CEN	20031210	CEN-CENELEC - CEN-CENELEC
PV11	框架	Frame	102	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	102	EN 12811-3:2002	临时工作设备 - 第3部分：负载测试 Temporary works equipment - Part 3: Load testing	CEN	20021120	CEN-CENELEC - CEN-CENELEC
PV11	脚手架附件	Scaffolding accessories	102	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	Scaffolding elements	102	AS/NZS 1576.3:2015	脚手架 - 第3部分：预 fabricated 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	脚手架附件	Scaffolding elements	102	AS/NZS 1577:2018	脚手架踏板附件 Scaffolding decking components	Standards Australia Limited/Standards New Zealand	20180629	Search Results - Standards New Zealand
PV11	发电机	Generator	102	EN ISO 8528-13:2016	往复内燃机驱动的交流发电机组 - 第13部分：安全 Reciprocating internal combustion engine driven alternating current generating sets - Part 13: Safety	ISO	20160501	ISO - Store
PV11	工业机器人	Industrial Robot	102	EN ISO 10218-1:2011	机器人和机器人设备 - 工业机器人的安全要求 - 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	102	EN ISO 10218-1:2025	机器人和机器人设备 - 工业机器人的安全要求 - 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	102	EN ISO 10218-2:2011	机器人技术 - 安全要求 - 第2部分：工业机器人与机器人单元 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	102	EN ISO 10218-2:2025	机器人技术 - 安全要求 - 第2部分：工业机器人与机器人单元 Robotics - Safety requirements - Part 2: Industrial robot applications and robot cells	CEN	20250312	CEN-CENELEC - CEN-CENELEC
PV11	工业用卡车	Industrial Truck	102	EN 1175:2020	工业用卡车安全 - 电气/电子要求 Safety of industrial trucks - Electrical/electronic requirements	CEN	20200722	CEN-CENELEC - CEN-CENELEC
PV11	工业用卡车	Industrial Truck	102	EN 16307-1:2020	工业用卡车 - 安全要求和验证 - 第1部分：对自推进工业用卡车 (无人驾驶卡车、可变轴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	Industrial Truck	102	EN 16307-5:2023	工业用卡车 - 安全要求和验证 - 第5部分：对行人推动的补充要求 Industrial trucks - Safety requirements and verification - Part 5: Supplementary requirements for pedestrian-propelled trucks	CEN	20231220	CEN-CENELEC - CEN-CENELEC
PV11	工业用卡车	Industrial Truck	102	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	工业用卡车	Industrial Truck	102	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	Industrial Truck	102	EN ISO 3691-1:2015/A1:2020	工业用卡车 - 安全要求和验证 - 第1部分：自推进工业用卡车 (无人驾驶卡车、可变轴距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	102	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	102	EN ISO 3691-5:2014/Amd 1:2020	工业用卡车 - 安全要求和验证 - 第5部分：行人推动的补充要求 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	102	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	激光设备	Laser Equipment	102	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	升降设备	Lifting device	102	EN 81-43:2025	升降机构的安全要求 - 人员和货物运输用升降机构 - 第43部分：起重升降机构 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
PV11	升降台	Lifting Table	102	EN 1570-1:2024	升降台的安全要求 - 第1部分：可能承载两个固定轴的垂直升降台 Safety requirements for lifting tables - Part 1: Lifting tables serving up to two fixed landings	CEN	20240916	CEN-CENELEC - CEN-CENELEC
PV11	升降台	Lifting Table	102	EN 1570-2:2016	升降台的安全要求 - 第2部分：为两个或以上固定楼层服务的升降台。用于提升垂直移动速度不超过0.15 m/s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	提升工具	Lifting Tool	102	EN 13155:2003-A2:2009	起重机构 - 安全 - 非固定负载吊钩附件 Cranes - Safety - Non-fixed load lifting attachments	CEN	20091129	CEN-CENELEC - CEN-CENELEC
PV11	提升工具	Lifting Tool	102	EN 13155:2020-A1:2025	起重机构 - 安全 - 非固定负载吊钩附件 Cranes - Safety - Non-fixed load lifting attachments	CEN	20250106	CEN-CENELEC - CEN-CENELEC
PV11	低电压控制装置附件	Low-voltage switchgear and controlgear assemblies	102	EN IEC 61439-1:2021/AC:2023-11	低电压开关设备和控制柜附件 - 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	低电压控制装置附件	Low-voltage switchgear and controlgear assemblies	102	EN IEC 61439-2:2021	低电压开关设备和控制柜附件 - 第2部分：电源开关设备和控制柜附件 Low-voltage switchgear and controlgear assemblies - Part 2: Power switchgear and controlgear assemblies	CEN	20210521	CEN-CENELEC - CEN-CENELEC
PV11	机械	Machinery	102	IEC 61010-2-091:2021/V11:2021	测量、控制和实验室用电气设备的安全要求 - 第2-091部分：柜式系统设备的特殊要求 Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet X-ray systems	IEC	20220401	IEC Website homepage IEC
PV11	机械	Machinery	102	2006/42/EC - Annex I	机械指令 - 指令2006/42/EC附件I Machinery Directive 2006/42/EC Annex I	European Parliament, Council of the European Union	20190726	https://eur-lex.europa.eu/eli/dir/2006/42/oj/eng
PV11	机械	Machinery	102	Annex III of Regulation (EU) 2023/1230	欧洲议会和理事会关于设计、制造和安装安全要求的法规 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	102	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 Website
PV11	机械	Machinery	102	AS/NZS 4024:1204:2019	机械安全 - 机械电气设备 - 第1204部分：一般安全要求 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	102	820.1 - 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	机械	Machinery	102	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 1010-1:2004+A1:2010	机械安全 - 印刷机和其他转换机械设计制造的安全要求 - 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
PV11	机械	Machinery	1.02	EN 1010-2:2006+A1:2010	机械安全 - 印刷机和其他转换机械设计制造的安全要求 - 第2部分: 包括印刷设备在内的印刷机和上光机械 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 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 12110:2014	隧道机 - 气锁 - 安全要求 Tunnelling machines - Air locks - Safety requirements	CEN	20140521	CEN-CENELEC - CEN-CENELEC
PV11	机械	Machinery	1.02	EN 12581:2005+A1:2010	涂装工厂 - 用于液体和油漆有机液体涂漆材料的机械 - 安全要求 Coating plants - Machinery for dip coating and electrocoating of organic liquid coating material - Safety requirements	CEN	20101020	CEN-CENELEC - CEN-CENELEC
PV11	机械	Machinery	1.02	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	1.02	EN 12921-2:2005+A1:2008	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2部分: 使用水基清洗剂的机器 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	机械	Machinery	1.02	EN 13418:2013	塑料和橡胶机械 - 薄膜或片卷绕机 - 安全要求 Plastics and rubber machines - Winding machines for film or sheet - Safety requirements	CEN	20130529	CEN-CENELEC - CEN-CENELEC
PV11	机械	Machinery	1.02	EN 1398: 2009	码头装卸设备安全要求 Dock workers - Safety requirements	CEN	20090318	CEN-CENELEC - CEN-CENELEC
PV11	机械	Machinery	1.02	EN 1539:2015	释放可燃物质的下部机械部件 - 安全要求 Downs and covers, in which flammable substances are released - Safety requirements	CEN	20160513	CEN-CENELEC - CEN-CENELEC
PV11	机械	Machinery	1.02	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	机械	Machinery	1.02	EN 17206:2020/AC:2021	娱乐技术 舞台和其他生产区域机械 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	1.02	EN 17206-2:2023	娱乐技术 舞台和其他生产区域机械 安全要求 - 第2部分: 舞台和桁架升降的安全要求 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	1.02	EN 17206-2:2023	娱乐技术 - 舞台和其他生产区域机械 - 第2部分: 看台和桁架升降的安全要求 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	1.02	EN 1953:2013	用于涂漆材料的雾化喷涂设备 - 安全要求 Atomising and spraying equipment for coating materials - Safety requirements	CEN	20130904	CEN-CENELEC - CEN-CENELEC
PV11	机械	Machinery	1.02	EN 289:2014	塑料和橡胶机械 - 压缩成型机和转移成型机 - 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	1.02	EN 378-2:2016	制冷系统制冷剂 - 安全要求 - 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
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热式电加热系统的特殊要求 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	电加热装置的安全 - 第11部分: 利用磁电效应对液态金属进行加热的特殊要求 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 60519-13:2005	电加热装置的安全 - 第13部分: 感应加热、传导加热和感应加热装置的特别要求 Safety in electroheat installation - Part 13: Particular requirements for induction and conduction heating and induction melting installations	CEN	20050601	CEN-CENELEC - CEN-CENELEC
PV11	机械	Machinery	1.02	EN 60519-9:2005	电加热装置的安全 - 第9部分: 高频电介电加热装置的特别要求 Safety in electroheat installations - Part 9: Particular requirements for high-frequency dielectric heating installations	CEN	20051117	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通用安全要求 - 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	机械	Machinery	1.02	EN 617:2001+A1:2010	连续搬运设备和系统 - 安全要求和EMC要求 Continuous handling equipment and systems - Safety and EMC requirements 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 - 机械面或物料处理设备 (固定带输送机除外) 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	Machinery	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 mechanical handling of unit loads	CEN	20220330	CEN-CENELEC - CEN-CENELEC
PV11	机械	Machinery	1.02	EN 620:2021	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 fixed belt conveyors for bulk materials	CEN	20211006	CEN-CENELEC - CEN-CENELEC
PV11	机械	Machinery	1.02	EN 869:2006+A1:2009	机械安全 - 压力容器和压装的安全要求 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 - 机器电气安全 - 第11部分: 超过1000V交流电或1500V直流电且不超过3kV设备的特殊要求 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 3kV	IEC	20190125	CEN-CENELEC - CEN-CENELEC
PV11	机械	Machinery	1.02	EN IEC 60519-1:2020	电加热装置的安全 - 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	电加热装置的安全 - 第12部分: 红外电加热的特殊要求 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	电加热装置的安全 - 第4部分: 电炉装置的特别要求 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	电加热装置的安全 - 第6部分: 高频电介电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	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 11111-2:2005/A2:2016	纺织机械 - 安全要求 - 第2部分: 染色和整理机械 Textile machinery - Safety requirements - Part 2: Dyeing and finishing machinery	CEN	20160715	CEN-CENELEC - CEN-CENELEC
PV11	机械	Machinery	1.02	EN ISO 12100:2010	机械安全 - 设计原则 - 风险评估和风险减少 Safety of machinery - General principles for design - Risk assessment and risk reduction	ISO	20101011	ISO - Store
PV11	机械	Machinery	1.02	EN ISO 12643-1:2023	制墨技术 - 制墨技术设备和系统的安全要求 - 第1部分: 印刷和印前设备和系统 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	制墨技术 - 制墨技术设备和系统的安全要求 - 第2部分: 印前和印后设备和系统 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	制墨技术 - 制墨技术设备和系统的安全要求 - 第3部分: 装订和印后设备和系统 Graphic technology - Safety requirements for graphic technology equipment and systems - Part 3: Binding and finishing equipment and systems	CEN	20231213	CEN-CENELEC - CEN-CENELEC
PV11	机械	Machinery	1.02	EN ISO 12643-4:2023	制墨技术 - 制墨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 12645-5:2023	制墨技术 - 制墨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	Machinery	1.02	EN ISO 14120:2015	机械安全 - 防护装置 - 固定和可移动防护装置的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	机械	Machinery	1.02	EN ISO 14122-4:2016	机械安全 - 进入机器的永久通道 - 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	机械	Machinery	1.02	EN ISO 4413:2010	液压流体动力 - 系统及其组件的一般规则和特殊要求 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 - 系统及其组件的一般规则和特殊要求 Pneumatic fluid power - General rules and safety requirements for systems and their components	CEN	20101115	CEN-CENELEC - CEN-CENELEC
PV11	机械	Machinery	1.02	ISO 13849-2:2012	机械安全 - 控制系统中的安全相关零件 - 第2部分: 验证 Safety of machinery - Safety-related parts of control systems Part 2: Validation	ISO	20121001	ISO - Store
PV11	机械	Machinery	1.02/1.06	ISO 22734-1:2025	氢发生器用于水电解系统 - 第1部分: 安全 Hydrogen generators using water electrolysis - Part 1: Safety	ISO	20250701	ISO - Store
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	Machinery	1.02	EN 12453:2017+A1:2021	工业、商业和车库门入口、动力门的安全性能、要求和测试方法 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	1.02	EN ISO 13849-1:2023	机械安全 - 控制系统的安全相关零件 第1部分: 设计原则 Safety of machinery - Safety-related parts of control systems Part 1: General principles for design	CEN	20240515	CEN-CENELEC - CEN-CENELEC
PV11	机械	Machinery	1.02	AS/NZS 1418.10:2025	起重机、葫芦和吊车 第10部分: 移动式工作平台 Cranes, hoists and winches Part 10: Mobile elevating work platforms	Standards Australia Limited/Standards New Zealand	20250214	Search Results - Standards New Zealand
PV11	机械	Machinery	1.02	EN 280-1:2022	移动式工作平台 - 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	1.02	Directive 2006/42/EC	机械指令 Machinery Directive 2006/42/EC	European Parliament, Council of the European Union	20190726	<a href="https://eur-lex.europa.eu/eli/dir/2006/42/oj/eng">https://eur-lex.europa.eu/eli/dir/2006/42/oj/eng</a>
PV11	机械	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	Semiconductor Manufacturing Equipment	1.02/P:04	SEMI SB-0218	半导体制造设备的人机工程学安全指南 Safety Guidelines for Ergonomics Engineering of Semiconductor Manufacturing Equipment	SEMI	20180201	SEMI标准介绍 SEMI
PV11	机械	Mobile Working Platform Control Cabinet	1.02	IEC 60204-1:2016	机械安全 - 机器电气安全 - 第1部分: 通用要求 Safety of machinery - Electrical equipment of machines - Part 1: General requirements	IEC	20161013	IEC Website homepage I/EC
PV11	机械	Mobile Working Platform	1.02	ISO 16368:2024	移动式升降工作平台 - 设计、计算、安全要求和测试方法 Mobile elevating work platforms - Design, calculations, safety requirements and test methods	ISO	20240816	ISO - Store
PV11	机械	Parking System of motor vehicles	1.02	EN 14010:2003+A1:2009	机械安全 - 机动车驱动的车辆设备 - 设计、制造、安装和调试的安全 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	泵	Pump	1.02	EN 809:1998+A1:2009/AC:2010	用于液体的泵和机组 - 通用安全要求 Pumps and pump units for liquids - Common safety requirements	CEN	20100714	CEN-CENELEC - CEN-CENELEC
PV11	堆垛机	Rail dependent storage and retrieval equipment	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 SR machines	CEN	20220713	CEN-CENELEC - CEN-CENELEC
PV11	护栏	Railings	1.02	EN ISO 14122-3:2016	机械安全 - 永久使用梯和踏板 - 第3部分: 楼梯、台阶和扶手 Safety of machinery - Permanent means of access to machinery - Part 3: Stairs, stepladders and guard-rails	CEN	20161231	CEN-CENELEC - CEN-CENELEC
PV11	护栏	Railings	1.02	NF 885-015:2019	工业设施的组成部分 - 永久性通行设施 - 楼梯、梯子和护栏 Elements of industrial facilities - Permanent means of access - Stairways, stepladders and guardrails	AFNOR	20190719	<a href="https://standards.globalspec.com/">https://standards.globalspec.com/</a>
PV11	绳索设施	Ropes Courses	1.02	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	安全装置	Safety Device	1.02	EN IEC 62061:2021	机械安全 - 安全性能评估和验证的安全要求 Safety of machinery - Functional safety of safety-related control systems	CEN	20210723	CEN-CENELEC - CEN-CENELEC
PV11	钢丝绳	Steel wire ropes	1.02	EN 12385-5:2021+A1:2025	钢丝绳 - 安全 - 第5部分: 电焊包钢丝绳 Steel wire ropes - Safety - Part 5: Stranded ropes for lifts	CEN	20250423	CEN-CENELEC - CEN-CENELEC
PV11	焊接设备	Welding machine	1.02	EN 60974-6:2016	电焊设备 - 安全 - 第6部分: 受限任务设备 Arc welding equipment - Part 6: Limited duty equipment	CEN	20160115	CEN-CENELEC - CEN-CENELEC
PV11	焊接设备	Welding machine	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	焊接设备	Welding machine	1.02	EN IEC 60974-1:2022/A1:2025	电阻焊设备 - 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	电阻焊设备 - 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	电阻焊设备 - 第13部分: 焊接电流回路夹钳 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	电阻焊设备 - 第2部分: 液体冷却系统 Arc welding equipment - Part 2: Liquid cooling systems	CEN	20190426	CEN-CENELEC - CEN-CENELEC
PV11	焊接设备	Welding machine	1.02	EN IEC 60974-3:2019	电阻焊设备 - 第3部分: 电弧稳定和熄弧装置 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	电阻焊设备 - 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	电阻焊设备 - 第7部分: 焊炬 Arc welding equipment - Part 7: Torches	CEN	20191108	CEN-CENELEC - CEN-CENELEC
PV11	焊接设备	Welding machine	1.02	EN ISO 669: 2016	电阻焊 - 电阻焊焊头 - 机械和电气要求 Resistance welding - Resistance welding equipment - Mechanical and electrical requirements	CEN	20160316	CEN-CENELEC - CEN-CENELEC
PV11	焊接变压器	Welding transformer	1.02	EN ISO 5826:2014	电阻焊设备 - 变压器 - 通用规范 Resistance welding equipment - Transformers - General specifications applicable to all transformers	CEN	20140201	CEN-CENELEC - CEN-CENELEC
PV11	工作平台	Working Platform	1.02	EN 1495:1997+A2:2009	升降平台 - 移动式工作平台 Lifting platforms - Mast climbing work platforms	CEN	20090715	CEN-CENELEC - CEN-CENELEC
PV11	工作平台	Working Platform	1.02	EN 1808:2015	悬挂式作业设备的安全要求 - 设计、计算、稳定性和标准、结构 - 检查测试 Safety requirements for suspended access equipment - Design calculations, stability criteria, construction - Examinations and tests	CEN	20150804	CEN-CENELEC - CEN-CENELEC

PV11	3D打印机 3D打印机辅助设备 传送带 筛粉模块 流化床 升降装置 制药设备 粉末输送机 粉末回收系统 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	103	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 传送带 筛粉模块 流化床 升降装置 制药设备 粉末输送机 粉末回收系统 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	103	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	3D打印机 3D打印机辅助设备 传送带 升降装置 粉末输送机 粉末回收系统 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 Lifting Device Powder Conveyor Powder Handling System Powder Returning Unit Selective Laser Melting System Sieving Station Sodium Hypochlorite Generator Vacuum Cleaner Auto Bag Capper	103	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 3D打印机辅助设备 传送带 升降装置 粉末输送机 粉末回收系统 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 Lifting Device Powder Conveyor Powder Handling System Powder Returning Unit Selective Laser Melting System Sieving Station Sodium Hypochlorite Generator Vacuum Cleaner Auto Bag Capper	103	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
PV11	3D打印机 3D打印机辅助设备 传送带 升降装置 粉末输送机 粉末回收系统 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 Lifting Device Powder Conveyor Powder Handling System Powder Returning Unit Selective Laser Melting System Sieving Station Sodium Hypochlorite Generator Vacuum Cleaner Auto Bag Capper	103	CEN/TR 15281:2022	潜在爆炸性环境、防爆和防护防止增强的爆炸性指南 Potentially explosive atmospheres - Explosion prevention and protection - Guidance on inerting for the prevention of explosions	CEN	20221019	CEN-CENELEC - CEN-CENELEC
PV11	筛分站 负离子发生器 筛分站 传送带 流化床 升降装置 制药设备 传送带 升降装置 冷凝泵 流化床 制药设备 选择性激光熔化系统	Sieving Station Anion Generator Sieving Station Conveyor Fluid Bed Lifting Device Pharmaceutical equipment Conveyor Lifting Device Condenser Pump Fluid Bed Pharmaceutical equipment Selective Laser Melting System	103	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	<a href="https://www.spc.org.cn/">https://www.spc.org.cn/</a>
PV11	筛分站 流化床 升降装置 制药设备 传送带 升降装置	Sieving Station Fluid Bed Lifting Device Pharmaceutical equipment Conveyor Lifting Device Condenser Pump	103	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	筛分站 流化床 升降装置 制药设备 传送带 升降装置	Sieving Station Fluid Bed Lifting Device Pharmaceutical equipment Conveyor Lifting Device Condenser Pump	103	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 流化床 升降装置 制药设备 选择性激光熔化系统	Sieving Station Fluid Bed Lifting Device Pharmaceutical equipment Selective Laser Melting System	103	VDI 2263 Part 5.1	粉尘火灾和粉尘爆炸: 危险、评估、防护措施: 流化床干燥机的操作防护: 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
PV11	筛分站 流化床 升降装置 制药设备 选择性激光熔化系统	Sieving Station Fluid Bed Lifting Device Pharmaceutical equipment Selective Laser Melting System	103	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	筛分站 流化床 升降装置 制药设备 传送带 升降装置	Sieving Station Fluid Bed Lifting Device Pharmaceutical equipment Conveyor Lifting Device Condenser Pump	103	GB 3836.15-2024	爆炸性环境 第15部分: 电气装置的设计、选择和安装 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	<a href="https://www.spc.org.cn/">https://www.spc.org.cn/</a>
PV11	筛分站 流化床 升降装置 制药设备 传送带 升降装置	Sieving Station Fluid Bed Lifting Device Pharmaceutical equipment Conveyor Lifting Device Condenser Pump	103	GB/T 25285.1-2021	爆炸性环境 爆炸预防和防护 第1部分: 基本概念和方法 Explosive atmospheres—Explosion prevention and protection—Part 1: Basic concepts and methodology	国家市场监督管理总局, 国家标准化管理委员会	20211011	<a href="https://www.spc.org.cn/">https://www.spc.org.cn/</a>
PV11	筛分站 流化床 升降装置 制药设备 传送带 升降装置	Sieving Station Fluid Bed Lifting Device Pharmaceutical equipment Conveyor Lifting Device Condenser Pump	103	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	<a href="https://www.spc.org.cn/">https://www.spc.org.cn/</a>
PV11	筛分站 流化床 升降装置 制药设备 传送带 升降装置	Sieving Station Fluid Bed Lifting Device Pharmaceutical equipment Conveyor Lifting Device Condenser Pump	103	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	<a href="https://www.spc.org.cn/">https://www.spc.org.cn/</a>
PV11	筛分站 流化床 升降装置 制药设备 传送带 升降装置	Sieving Station Fluid Bed Lifting Device Pharmaceutical equipment Conveyor Lifting Device Condenser Pump	103	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	<a href="https://www.spc.org.cn/">https://www.spc.org.cn/</a>
PV11	筛分站 次氯酸钠发生器	Sieving Station Sodium Hypochlorite Generator	103	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
PV12	负离子发生器 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 感应线圈 连接器 负离子发生器 控制器 发生器 压力控制器 保护罩 开关 温度控制器 热保护 感应线圈 过载保护器 连接器 启动器 线性执行器	Anion Generator Anion Generator Controller Fan Generator High-voltage fuse Pressure Controller Switch Temperature Control Thermal Cut Out Induction coil Connector Anion Generator Controller Generator Pressure Controller Protectors Switch Temperature Control Thermal Cut Out Induction coil Overload Protector Connector Starter Linear Actuator	103	GB/T 3836.8-2021	爆炸性环境 第8部分: 由 "n" 型保护的装置 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	<a href="https://www.spc.org.cn/">https://www.spc.org.cn/</a>
PV12	高压熔断器 压力控制器 开关 温度控制器 热保护 感应线圈 连接器 负离子发生器 控制器 发生器 压力控制器 保护罩 开关 温度控制器 热保护 感应线圈 过载保护器 连接器 启动器 线性执行器 控制箱 风扇 灯座 控制器 风扇 开关 交流接触器 电动机启动器 热保护	High-voltage fuse Pressure Controller Switch Temperature Control Thermal Cut Out Induction coil Connector Anion Generator Controller Generator Pressure Controller Protectors Switch Temperature Control Thermal Cut Out Induction coil Overload Protector Connector Starter Linear Actuator Controller Fan Lamp Holder Controller Fan Switch AC contactor Motor Starter Thermal Cut Out	103	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	高压熔断器 压力控制器 开关 温度控制器 热保护 感应线圈 过载保护器 连接器 启动器 线性执行器 控制箱 风扇 灯座 控制器 风扇 开关 交流接触器 电动机启动器 热保护	High-voltage fuse Pressure Controller Switch Temperature Control Thermal Cut Out Induction coil Overload Protector Connector Starter Linear Actuator Controller Fan Lamp Holder Controller Fan Switch AC contactor Motor Starter Thermal Cut Out	103	IEC 60079-15:2017	爆炸性环境 - 第15部分:由 "n" 型保护的装置 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"	IEC	20171208	IEC Webstore homepage   IEC
PV12	控制箱 风扇 灯座 控制器 风扇 开关 交流接触器 电动机启动器 热保护	Controller Fan Lamp Holder Controller Fan Switch AC contactor Motor Starter Thermal Cut Out	103	IEC 60079-7:2015-AMD1:2017	爆炸性气体环境第7部分: 由增强型 "e" 保护的装置 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	IEC	20170804	IEC Webstore homepage   IEC
PV12	交流接触器 电动机启动器 热保护	AC contactor Motor Starter Thermal Cut Out	103	IEC 60335-2-40:2024	家用电器和类似电器-安全-第2-40部分: 电热器、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	电动机执行器	Electric Drive	103	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	电动机执行器	Electric Drive	103	EN IEC 60079-15:2019	爆炸性环境-第15部分:由 "n" 型保护的装置 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"	CEN	20191019	CEN-CENELEC - CEN-CENELEC
PV12	电动机执行器	Electric Drive	103	EN IEC 60079-7:2015/A1:2018	爆炸性环境-第7部分:由增强型 "e" 保护的装置 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	CEN	20180719	CEN-CENELEC - CEN-CENELEC
PV12	高压熔断器 连接器 开关 温度控制器 热保护	High-voltage fuse Connector Switch Temperature Control Thermal Cut Out	103	IEC 60079-7:2015	爆炸性环境-第7部分:由增强型 "e" 保护的装置 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 开关 温度控制器 热保护	High-voltage fuse Connector Switch Temperature Control Thermal Cut Out	103	IEC 60079-1:2014	爆炸性环境-第1部分:由增强型 "e" 保护的装置 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "e"	IEC	20140627	IEC Webstore homepage   IEC
PV12	热保护	Thermal Cut Out	103	UL 60335-2-40:2022	家用电器和类似电器的安全-第2-40部分:电热器、空调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	UL	20221215	Purchase UL Standards Online   UL Standards & Engagement
PV13	电动机	Electric motor	103	IEC 60079-7:2015	爆炸性环境-第7部分:由增强型 "e" 保护的装置 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	IEC	20150626	IEC Webstore homepage   IEC
PV13	电机 电动机	Electric motor Motor	103	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	电动机	Motor	103	IEC 60079-7:2015-AMD1:2017	爆炸性气体环境第7部分: 由增强型 "e" 保护的装置 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	IEC	20170804	IEC Webstore homepage   IEC
PV13	电动机	Motor	103	IEC 60335-2-40:2024	家用电器和类似电器-安全-第2-40部分: 电热器、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
PV14	继电器	Relay	103	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	103	IEC 60079-15:2017	爆炸性环境-第15部分:由 "n" 型保护的装置 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"	IEC	20171208	IEC Webstore homepage   IEC
PV16	LED灯	LED-Lamp	103	IEC 60079-7:2015-AMD1:2017	爆炸性气体环境第7部分: 由增强型 "e" 保护的装置 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	IEC	20170804	IEC Webstore homepage   IEC
PV17	继电器	Relay	103	IEC 60079-1:2014	爆炸性环境-第1部分:由增强型 "e" 保护的装置 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "e"	IEC	20140627	IEC Webstore homepage   IEC
PV17	传感器	Sensors	103	IEC 60079-15:2017	爆炸性环境-第15部分:由 "n" 型保护的装置 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"	IEC	20171208	IEC Webstore homepage   IEC
PV17	传感器	Sensors	103	IEC 60335-2-40:2024	家用电器和类似电器-安全-第2-40部分: 电热器、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
PV17	传感器	Sensors	103	UL 60335-2-40:2022	家用电器和类似电器的安全-第2-40部分:电热器、空调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	UL	20221215	Purchase UL Standards Online   UL Standards & Engagement
PV13	电动机	Motor	103	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

PV11	冷凝泵	Condenser Pump	1.03	EN IEC 60079-15:2019	爆炸性环境 第15部分:由 "n" 型保护的设施 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"	CEN	20191019	CEN-CENELEC - CEN-CENELEC
PV11	冷凝泵	Condenser Pump	1.03	EN IEC 60079-7:2015/A1:2018	爆炸性环境 第7部分:由增安型 "e" 保护的设施 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	CEN	20180719	CEN-CENELEC - CEN-CENELEC
PV11	冷凝泵	Condenser Pump	1.03	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-Website-homepage   IEC
PV11	冷凝泵	Condenser Pump	1.03	IEC 60079-15:2017	爆炸性环境 第15部分:由 "n" 型保护的设施 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"	IEC	20171208	IEC-Website-homepage   IEC
PV11	冷凝泵	Condenser Pump	1.03	IEC 60079-7:2015	爆炸性环境 第7部分:由增安型 "e" 保护的设施 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	IEC	20150626	IEC-Website-homepage   IEC
PV11	冷凝泵	Condenser Pump	1.03	IEC 60079-7:2015-AMD1:2017	爆炸性环境 第7部分:由增安型 "e" 保护的设施 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	IEC	20170804	IEC-Website-homepage   IEC
PV07	井盖	Gully tops and manhole tops	1.05	EN 124-1:2015	用于车辆和行人专用的带增强型人孔顶部 - 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	1.05	EN 124-2:2015	用于车辆和行人区的带普通型人孔顶部 - 第2部分:由铸钢制成的带增强型人孔顶部 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
PV13	特定场址风力发电机组	Site-specific wind turbine	1.06	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	特定场址风力发电机组 风电塔筒 风力发电机罩 风力发电机罩叶片	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	全国风力发电标准化技术委员会	20221012	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 风力发电机罩 风力发电机罩叶片	Site-specific wind turbine Wind Turbines 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	全国风力发电标准化技术委员会	20130609	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 风力发电机罩 风力发电机罩叶片	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 风力发电机罩 风力发电机罩叶片	Site-specific wind turbine Wind Turbines 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	全国风力发电标准化技术委员会	20150515	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 风力发电机罩 风力发电机罩叶片	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	20180206	https://www.spc.org.cn/
PV13	特定场址风力发电机组 风电塔筒 风力发电机罩 风力发电机罩叶片	Site-specific wind turbine Wind Turbines Wind Turbines Wind Turbines Blade	1.06	GB/T 37921-2019	高海拔型风力发电机组 Wind turbine generator system under high altitude	全国风力发电标准化技术委员会	20190830	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 风力发电机罩 风力发电机罩叶片	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-Website-homepage   IEC
PV13	特定场址风力发电机组 风电塔筒 风力发电机罩 风力发电机罩叶片	Site-specific wind turbine Wind Turbine Tower Wind Turbines Wind Turbines Blade	1.06	IEC 61400-2:2013	风力发电机组 - 第2部分: 小型风力发电机组安全要求 Wind turbines - Part 2: Small wind turbines	IEC	20131212	IEC-Website-homepage   IEC
PV13	特定场址风力发电机组 风电塔筒 风力发电机罩 风力发电机罩叶片	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的设计要求 Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbines	IEC	20190405	IEC-Website-homepage   IEC
PV13	特定场址风力发电机组 风电塔筒 风力发电机罩 风力发电机罩叶片	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: 浮动式海上风力发电机组的设计要求 Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines	IEC	20250122	IEC-Website-homepage   IEC
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-8:2024	欧规规范: 钢结构设计 - 第1-8部分: 接头设计 Eurocode 3: Design of steel structures - Part 1-8: Design of joints	CEN	20240327	CEN-CENELEC - CEN-CENELEC
PV13	风电塔筒	Wind Turbine Tower	1.06	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	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-10:2025	欧规规范: 钢结构设计 - 第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
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1992-1-1:2023	欧规规范2: 混凝土结构设计 - 第1-1部分: 一般规则和性能设计规则 Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings	CEN	20231122	CEN-CENELEC - CEN-CENELEC
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1992-1-2:2004	欧规规范2: 混凝土结构设计 - 第1-2部分: 一般规则、结构防火设计 Eurocode 2: Design of concrete structures - Part 1-2: General rules - Structural fire design	CEN	20231122	CEN-CENELEC - CEN-CENELEC
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-1:2022	欧规规范3: 钢结构设计 - 第1-1部分: 一般规则和性能设计规则 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	1.06	EN 1993-1-11:2006	欧规规范: 钢结构设计 - 第1-11部分: 受拉构件结构的设计 Eurocode 3: Design of steel structures - Part 1-11: Design of structures with tension components	CEN	20061025	CEN-CENELEC - CEN-CENELEC
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-12:2007	欧规规范3: 钢结构设计 - 第1-12部分: 一般规则、高强度钢 Eurocode 3: Design of steel structures - Part 1-12: General - High strength steels	CEN	20070228	CEN-CENELEC - CEN-CENELEC
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-2:2024	欧规规范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	欧规规范3: 钢结构设计 - 第1-3部分: 一般规则、冷弯构件和板件的附加规则 Eurocode 3: Design of steel structures - Part 1-3: General rules - Supplementary rules for 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	欧规规范3: 钢结构设计 - 第1-4部分: 一般规则、不锈钢和耐腐蚀钢 Eurocode 3: Design of steel structures - Part 1-4: General rules - Supplementary rules for stainless steels	CEN	20250305	CEN-CENELEC - CEN-CENELEC
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-5:2024	欧规规范3: 钢结构设计 - 第1-5部分: 一般规则、板状结构元件 Eurocode 3: Design of steel structures - Part 1-5: General rules - Plated structural elements	CEN	20240320	CEN-CENELEC - CEN-CENELEC
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-6:2025	欧规规范3: 钢结构设计 - 第1-6部分: 强度和稳定性 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	欧规规范3: 钢结构设计 - 第1-7部分: 受弯构件作用的平面桁架结构的强度和稳定性 Eurocode 3: Design of steel structures - Part 1-7: Strength and stability of planar plated structures subject to out of plane loading	CEN	20250305	CEN-CENELEC - CEN-CENELEC
PV13	风电塔筒	Wind Turbine Tower	1.06	EN 1993-1-9:2025	欧规规范3: 钢结构设计 - 第1-9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	混凝土结构设计规范/欧洲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 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	20240801	中华人民共和国国家质量监督检验检疫总局
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	20171212	中华人民共和国国家质量监督检验检疫总局
PV13	风电塔筒	Wind Turbine Tower	1.06	GB 50135-2019	高层钢结构设计标准 Standard for design of high-rising structures	中华人民共和国住房和城乡建设部	20190524	住房和城乡建设部关于印发国家标准《高层钢结构设计标准》的公告 国家市场监督管理总局
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 Wind energy generation systems - Part 6: Tower and foundation design requirements	IEC	20200421	IEC-Website-homepage   IEC
PV13	风电塔筒	Wind Turbine Tower	1.06	NB/T 10907-2021	风电机组塔架-钢混组合塔架设计规范 Code for Design of Concrete-Steel Hybrid Tower of Wind Turbine	水利部黄河规划设计院 国家能源局	20211222	水利部黄河规划设计院 国家能源局
PV13	风电塔筒	Wind Turbine Tower	1.06	NB/T 10908-2021	风电机组塔架-钢混组合塔架施工规范 Code for Construction of Concrete-Steel Hybrid Tower of Wind Turbine	水利部黄河规划设计院 国家能源局	20211222	水利部黄河规划设计院 国家能源局
PV13	风电塔筒	Wind Turbine Tower	1.06	T/CEC 5008-2018	风力发电机组预应力混凝土塔架技术条件 Technical specifications for prestressed fabricated concrete towers for wind turbines	中国电力企业联合会	20180703	中国电力企业联合会
PV13	风力发电机组	Wind Turbines	1.06	DNV-ST-0437	风力发电机组的载荷和场址条件 DNV-ST-0437 Loads and site conditions for wind turbines	DNV	20240501	DNV-ST-0437 Loads and site conditions for wind turbines
PV13	风力发电机组	Wind Turbines	1.06	GB/T 18451.2-2021	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	20210820	国家标准 - 全国标准信息公共服务平台
PV13	风力发电机组 风力发电机罩叶片	Wind Turbines Wind Turbines Blade	1.06	GB/T 25383-2025	风能发电系统 风力发电机罩叶片 Wind energy generation systems—Wind turbine blades	全国风力发电标准化技术委员会	20250530	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 37257-2018	风力发电机组机械载荷测量 Wind turbines—Measurement of mechanical loads	全国风力发电标准化技术委员会	20181228	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	IEC 61400-11:2012-AMD1:2018	风力发电机组 - 第11部分: 声学测量技术修正案1 Amendment 1 - Wind turbines - Part 11: Acoustic noise measurement techniques	IEC	20180615	IEC-Website-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试验 Wind energy generation systems - Part 12-1: Power performance measurements of electricity producing wind turbines	IEC	20220905	IEC-Website-homepage   IEC
PV13	风力发电机组	Wind Turbines	1.06	IEC 61400-11-1:2019	风力发电机组 - 第11部分: 风力发电机组性能测量方法 Wind energy generation systems - Part 11-1: Measurement and assessment of electrical characteristics - Wind turbines	IEC	20190520	IEC-Website-homepage   IEC
PV13	风力发电机组	Wind Turbines	1.06	IEC 61400-23:2014	风力发电机组 - 第23部分: 叶片全尺寸结构试验 Wind turbines - Part 23: Full-scale structural testing of rotor blades	IEC	20140408	IEC-Website-homepage   IEC
PV13	风力发电机组 风力发电机罩叶片	Wind Turbines Wind Turbines Blade	1.06	IEC 61400-24:2019-AMD1:2024	风力发电机组 - 第24部分: 雷电保护 Amendment 1 - Wind energy generation systems - Part 24: Lightning protection	IEC	20241113	IEC-Website-homepage   IEC
PV13	风力发电机组叶片	Wind Turbines Blade	1.06	DNV-ST-0376	风力发电机组叶片 Rotor blades for wind turbines	DNV	20240401	DNV-ST-0376 Rotor blades for wind turbines
PV13	风力发电机组叶片	Wind Turbines Blade	1.06	IEC 61400-2-2:2013	风能发电系统 第2部分: 小型风力发电机组设计要求 Wind turbines - Part 2: Small wind turbines	IEC	20131212	IEC-Website-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: 风力发电机罩叶片 Wind energy generation systems - Part 5: Wind turbine blades	IEC	20200616	IEC-Website-homepage   IEC
PV12	物联网产品	IoT Product	1.07	ETSI EN 303 645 V2.1.1(2020-06)	网络安全: 面向消费者物联网的网络安全: 基本要求 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
PV12	物联网产品	IoT Product	1.07	ETSI EN 303 645 V3.1.3 (2024-09)	网络安全: 面向消费者物联网的网络安全: 基本要求 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
PV12	物联网产品	IoT Product	1.07	NIST IR 8425:2022	物联网产品 Profile of the IoT Core Baseline for Consumer IoT Products	NIST	20220920	Information Technology Laboratory   NIST
PV12	物联网产品	IoT Product	1.07	Schedule 1 of Cyber Security (Security Standards for Smart Devices) Rules 2025	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
PV12	物联网产品	IoT Product	1.07	Schedule 2 of 2023 No. 1007 CONSUMER PROTECTION	面向消费者安全标准条件 Conditions for Deemed Compliance with Security Requirements	National Archives - legislation.gov.uk	20230914	
PV12	无线设备	Radio Equipment	1.07	EN 18031-1:2024	无线设备通用安全要求—第1部分: 互联网连接无线设备 Common security requirements for radio equipment - Part 1: Internet connected radio equipment	CEN	20250228	CEN-CENELEC - CEN-CENELEC
PV12	无线设备	Radio Equipment	1.07	EN 18031-2:2024	无线设备通用安全要求—第2部分: 儿童和可穿戴无线设备 Common security requirements for radio equipment - Part 2: Childcare internet connected radio equipment, toys radio equipment and wearable radio equipment	CEN	20250228	CEN-CENELEC - CEN-CENELEC
PV12	无线设备	Radio Equipment	1.07	EN 18031-3:2024	无线设备通用安全要求—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
PV18	车用芯片	Automotive Chip	M.04	AEC-Q100-REV-12:2023	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
PV18	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	20130101	AEC-Q101
PV18	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
PV18	电动车辆防火毯	Fire Blanket for EV	M.04	DIN SPEC 91489:2024-11	电动汽车防火毯的要求 Requirements for fire limitation blankets for use with electric vehicles	DIN	20241101	https://www.dinmedia.de/en/technical-rules/din-spec-91489/384307688
PV18	车内空气质量	In-vehicle Air Quality	M.04	GB/T 27630-2011	乘用车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	网页 - 全国标准信息公共服务平台
PV18	轮胎	Tyre	M.04	2 PIG CH 03142/11.2.2	轮胎节省能源效率 Tyre fuel saving / Energy efficiency	莱茵检测认证服务 (中国) 有限公司	20221101	
PV18	轮胎	Tyre	M.04	2 PIG 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	
PV18	车辆自动驾驶系统	Vehicle Autonomous Driving System	M.04	2 PIG CH 03109/10.22	低速自动驾驶系统性能测试 Low speed automated driving (LSAD) system performance tested	莱茵检测认证服务 (中国) 有限公司	20221001	
PV18	车辆自动驾驶系统	Vehicle Autonomous Driving System	M.04	ISO 22737:2021	智能交通系统 - 用于道路网络的低速自动驾驶 Intelligent transport systems - Low speed automated driving (LSAD) systems for predefined routes	ISO	20210706	ISO - Store
PV18	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

PV18	车辆零部件	Vehicle components	M.04	2 PIG 5 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
PV18	车用香剂	Vehicle Fragrances	M.04	GB/T 22731-2022	日香精 Fragrance compound	国家市场监督管理总局, 国家标准化管理委员会	20221230
PV18	车辆内饰材料	Vehicle Interior Materials	M.04	2 PIG CH 0025/02.2020	生态内饰材料 ECO Interior Material	莱茵检测认证服务 (中国) 有限公司	20200201
PV18	车辆	Vehicles	M.04	GB/T 18655-2025	车辆、船舶和飞机、无线传输特性 用于保护车载接收机的限值和测量方法 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
PV18	车辆零件	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	20205623
PV07	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	20207071
PV07	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	20207071
PV16	应急灯具	Emergency Lighting	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	20202024
PV16	自容式应急照明单元	Self-Contained Emergency Lighting Units	P.03	EN 62034:2012	电池的应急照明单元的自动测试系统 Automatic test systems for battery powered emergency escape lighting	CEN	20120511
PV16	应急照明监控系统	Monitored Type Emergency Lighting System	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
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
PV16	LED 模块	LED Module	P.03	GB 19510.1-2009	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	工业和信息化部	20091015
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
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 14: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules	IEC	20170929
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 14: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules	CEN	20141017
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 14: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules	工业和信息化部	20091015
PV16	出口指示灯	Exit Signs	P.03	BS IS0 3864-1:2023	标准 for fire safety signs Standard for fire safety signs	BSI	20110930
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 道路与街道照明灯具 Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting	IEC	20111117
PV16	投光灯具	Flood Light	P.03	GB 70007-2005	道路灯具安全要求 Safety requirements for floodlights	工业和信息化部	20050118
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
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
PV16	LED模块	LED Module	P.03	GB 24819-2009	普通照明用LED模块 安全要求 LED modules for general lighting - Safety specifications	工业和信息化部	20091215
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	20180068
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
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
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
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
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	20200917
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
PV16	灯具	Luminaire	P.03	GB/T 70001-2015	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
PV16	道路与街道照明灯具	Luminaire for street lighting	P.03	GB 7000.203-2013	灯具 第2-3部分: 特殊要求 道路与街道照明灯具 Luminaires - Part 2-3: Particular requirements Section 3: Luminaires for road and street lighting	工业和信息化部	20131231
PV16	嵌入式	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 2-2: Particular requirements Section 2: Recessed luminaires	工业和信息化部	20081231
PV16	嵌入式	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 Section 2: Recessed luminaires and recessed air-handling luminaires	IEC	20111108
PV16	嵌入式	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
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 机械电气安全 第1部分: 一般要求 Safety of machinery - Electrical equipment of machines - Part 1: General requirements	CENELEC	20090218
PV11	半导体制造设备	Semiconductor Manufacturing Equipment	P.04	SEMI F47-0706	半导体加工设备电压暂降抗扰度规范 Specification for Semiconductor Processing Equipment Voltage Sag Immunity	SEMI	20060516
PV11	半导体制造设备	Semiconductor Manufacturing Equipment	P.04	SEMI S17-0319	无人运输车辆的安全指南 Safety Guideline for Unmanned Transport Vehicle (UTV) System	SEMI	20181019
PV11	半导体制造设备	Semiconductor Manufacturing Equipment	P.04	SEMI S23-1021	半导体制造设备能效指南 Guideline for Energy, Utilities, and Materials Use Efficiency of Semiconductor Manufacturing Equipment	SEMI	20220818
PV11	半导体制造设备	Semiconductor Manufacturing Equipment	P.04	SEMI S28-1011	半导体制造设备用机器人和端口安全指南 Safety Guideline for Robots and Load Ports Intended for Use in Semiconductor Manufacturing Equipment	SEMI	20110912
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并网转换器设备的安全要求 第1部分 通用要求 Safety of power converters for use in photovoltaic power systems Part1: General requirements	CENELEC	20100716
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并网转换器设备的安全要求 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 for inverters	CENELEC	20110930
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 requirements	CENELEC	20121005
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 requirements	CENELEC	20170120
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 requirements	CENELEC	20140822
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 requirements	CENELEC	20210205
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	Endis-PRO-RES_64E:2017	连接技术规范 用户手册技术规范 2017版 Technical Reference Connection (Technical Requirements for Grid Connection for Users) - 2017 Edition	Endis	20170001
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 60068-2-1:2007	机械试验 第 2-1 部分: 正弦 试验 A、B、C IEC 60068-2-1:2007 Environmental testing -Part 2-1:Tests -Test A: Cold	IEC	20070313
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 60068-2-14:2023	机械试验 第 2-14 部分: 正弦 试验 N: 温度变化 Environmental testing -Part 2-14: Tests -Test N: Temperature	IEC	20230727
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 60068-2-2:2007	机械试验 第 2-2 部分: 正弦 试验 B、C、D Environmental testing -Part 2-2: Tests -Test B: Dry heat	IEC	20070716
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 60068-2-27:2008	机械试验 第 2-27 部分: 正弦 试验 E 和 指导: 冲击 Environmental testing -Part 2-27: Tests -Test Ea and guidance: Shock	IEC	20080827
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 60068-2-30:2005	机械试验 第 2-30 部分: 正弦 试验 H 和 指导: 随机 Environmental testing -Part 2-30: Tests -Test Hb and guidance: Damp heat	IEC	20050810
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 60068-2-64:2008/A1: 2019	机械试验 第 2-64 部分: 正弦 试验 Fh 和 指导: 随机振动 Environmental testing -Part 2-64: Tests -Test Fh: Random vibrations	IEC	20191009
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	20170112
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并网转换器设备的安全要求 第1部分 通用要求 Safety of power converters for use in photovoltaic power systems Part1: General requirements	IEC	20100428
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并网转换器设备的安全要求 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 for inverters	IEC	20110623
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
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC 62909-1:2017	双向并网逆变器设备 第1部分: 通用要求 Bi-directional grid connected power converters-Part1:General requirements	IEC	20170519
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	IEC TS 62910:2020	光伏逆变器 低电压穿越测试程序 Test procedure of Low Voltage Ride Through(LVRT)measurement for utility-interconnected photovoltaic	IEC	20200724
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	Philippine Distribution Code 2017 Edition	菲律宾配电规范PDC 2017 Philippine Distribution Code 2017 Edition	IEC	20170808
PV13	光伏逆变器 / 变流器	PV Inverter / Converter	P.04	UNE 217002:2020	电动汽车充电桩的安全要求 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	光伏系统安全 无储能公共直流耦合并网系统 Installations photovoltaïques sans stockage - Raccordes au réseau public de distribution	AFNOR	20130801
PV13	电动汽车充电系统	Electric Vehicles charging system	P.04	EN 61851-1:2011	电动汽车传导充电系统 第1部分: 通用要求 Electric vehicle conductive charging system part 1: General requirements	CENELEC	20110819
PV13	电动汽车充电系统	Electric Vehicles charging system	P.04	EN 61851-21:2022	电动汽车传导充电系统 第21部分: 电动汽车与交流/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	20201110
PV13	电动汽车充电系统	Electric Vehicles charging system	P.04	EN 61851-22:2020	电动汽车传导充电系统 第22部分: 电动汽车交流充电桩 (AC) Electric vehicle conductive charging system part 22: AC Electric Vehicle charging station	CENELEC	20201115
PV13	电动汽车充电系统	Electric Vehicles charging system	P.04	EN 61851-23:2014	电动汽车传导充电系统 第23部分: 直流电动汽车充电桩 Electric vehicle conductive charging system part 23: DC Electric Vehicle charging station	CENELEC	20140530
PV13	电动汽车充电系统	Electric Vehicles charging system	P.04	EN 61851-24:2014	电动汽车传导充电系统第24部分: 用于控制直流充电和电动汽车充电站/电动汽车充电桩之间的数字通信 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
PV13	电动汽车充电系统	Electric Vehicles charging system	P.04	IEC 61851-1:2017	电动汽车传导充电系统 第1部分: 通用要求 Electric vehicle conductive charging system part 1: General requirements	IEC	20170207
PV13	电动汽车充电系统	Electric Vehicles charging system	P.04	IEC 61851-21-1:2017	电动汽车传导充电系统 第21部分: 电动汽车与交流/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
PV13	电动汽车充电系统	Electric Vehicles charging system	P.04	IEC 61851-22:2001	电动汽车传导充电系统 第22部分: 直流电动汽车充电桩 Electric vehicle conductive charging system part 22: AC Electric Vehicle charging station	CEN	20010804
PV13	电动汽车充电系统	Electric Vehicles charging system	P.04	IEC 61851-23:2021	电动汽车传导充电系统 part 23: DC Electric Vehicle charging station Electric vehicle conductive charging system part 23: DC Electric Vehicle charging station	IEC	20210313
PV13	电动汽车充电系统	Electric Vehicles charging system	P.04	IEC 61851-24:2023	电动汽车传导充电系统 第24部分: 用于直流充电桩的直流电动汽车充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
PV13	电动汽车充电系统	Electric Vehicles charging system	P.04	TR 25-1:2022	电动汽车充电系统 第1部分: 电气安全通用要求 Electric vehicle charging system - Part 1: Electrical safety and general requirement	TOPPAN NEXT Ph. Ltd.	20220228
PV13	电动汽车充电系统	Electric Vehicles charging system	P.04	TR 25-2:2022	电动汽车充电系统 第2部分: 低功率充电 Electric vehicles charging system - Part 2: Low power charging	TOPPAN NEXT Ph. Ltd.	20220225
PV13	电动汽车充电系统	Electric Vehicles charging system	P.04	TR 25-3:2022	电动汽车充电系统 第3部分: 高功率充电 Electric vehicles charging system - Part 3: High power charging	TOPPAN NEXT Ph. Ltd.	20220401
PV13	电动汽车充电系统	Electric Vehicles charging system	P.04	TR 25-4:2022	电动汽车充电系统 第4部分: 电池互换 Electric vehicles charging system - Part 4: Battery swapping	TOPPAN NEXT Ph. Ltd.	20220301
PV13	电力储能系统	Energy Storage system	P.04	TR 77-1:2020 (2023)	电力储能系统的性能性评估指南 Electrical energy storage (EES) systems - Part 1: Planning and performance assessment of electrical energy storage systems - General specification)	Singapore Standards	20200724
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指南 Safety considerations for grid-integrated EES systems - General specification	Singapore Standards	20200724
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 充电的有线保护装置 (IC-CPD) In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD)	CENELEC	20200508
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	20203907
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: 交流充电桩 Connection set for conductive charging of electric vehicles -Part 2: AC charging coupler	国家标准	20151228
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: 交直流充电桩 Connection set for conductive charging of electric vehicles -Part 3: DC charging coupler	工业和信息化部	20151228
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 62196-1:2022	插座、插接、汽车连接器接口 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	20220903
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	插座、插接、汽车连接器接口 电动汽车传导充电 第2部分: 交流充电桩和 互锁性要求 Plugs, socketoutlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 2: Dimensional compatibility requirements for AC pin and contactube accessories	IEC	20221019
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	插座、插接、汽车连接器接口 电动汽车传导充电 第3部分: 直流和交流高压插接耦合器电接触件的尺寸互锁性要求 Plugs, socketoutlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 3: Dimensional compatibility	IEC	20221019
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	插座、插接、车辆连接器接口 电动汽车传导充电 第6部分: 交流插接耦合器电接触件的尺寸互锁性要求 Plugs, socket outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 6: Dimensional compatibility requirements for DC pin and contactube vehicle couplers intended to be used for DC EV supply equipment where protection relies on electrical separation	IEC	20220422
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 充电的有线保护装置 (IC-CPD) In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD)	IEC	20180913
PV14	电动汽车传导充电用连接装置	Connection set for conductive charging of electric vehicles	P.04	NBT 42077-2016	电动汽车模式 2 充电的有线保护装置 (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

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	<a href="#">Purchase UL Standards Online   UL Standards &amp; Engagement</a>
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	<a href="#">Purchase UL Standards Online   UL Standards &amp; Engagement</a>
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 60068-2-68:1994	环境试验 - 第2部分: 试验 L: 尘埃和砂 Environmental testing - Part 2: Tests - Test L: Dust and sand	IEC	19940817	<a href="#">IEC Webstore homepage   IEC</a>
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 61215-1-2:2016	地面用晶体硅光伏组件 - 设计鉴定和型式 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	<a href="#">IEC Webstore homepage   IEC</a>
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 - 设计鉴定和型式 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	<a href="#">IEC Webstore homepage   IEC</a>
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 - 设计鉴定和型式 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	<a href="#">IEC Webstore homepage   IEC</a>
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 - 设计鉴定和型式 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	<a href="#">IEC Webstore homepage   IEC</a>
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 - 设计鉴定和型式 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	<a href="#">IEC Webstore homepage   IEC</a>
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 - 设计鉴定和型式 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	<a href="#">IEC Webstore homepage   IEC</a>
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	20111216	<a href="#">IEC Webstore homepage   IEC</a>
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	<a href="#">IEC Webstore homepage   IEC</a>
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: 通用要求 Photovoltaic module safety qualification - Part 1: Requirements for construction	IEC	20230913	<a href="#">IEC Webstore homepage   IEC</a>
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	<a href="#">IEC Webstore homepage   IEC</a>
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	<a href="#">IEC Webstore homepage   IEC</a>
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	<a href="#">IEC Webstore homepage   IEC</a>
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海运 Transportation Testing - Part 1: Transportation And Shipping Of Module Package Units	IEC	20150626	<a href="#">IEC Webstore homepage   IEC</a>
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海运 Transportation Testing - Part 1: Transportation And Shipping Of Module Package Units	IEC	20200707	<a href="#">IEC Webstore homepage   IEC</a>
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 62892:2019	光伏组件热循环测试 Extended thermal cycling of PV modules - Test procedure	IEC	20190417	<a href="#">IEC Webstore homepage   IEC</a>
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC 62938:2020	不间断雪载 Non-simultaneous snow load	IEC	20200514	<a href="#">IEC Webstore homepage   IEC</a>
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	<a href="#">IEC Webstore homepage   IEC</a>
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	<a href="#">IEC Webstore homepage   IEC</a>
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、组件和材料组合指南 Guidelines for qualifying PV modules, components and materials for operation at high temperatures	IEC	20200622	<a href="#">IEC Webstore homepage   IEC</a>
PV15	地面用晶体硅光伏组件	PV Module	P.04	IEC TS 63163:2021	消费者用地面光伏(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	20210614	<a href="#">IEC Webstore homepage   IEC</a>
PV14	电动汽车传导充电连接装置	Connection set for conductive charging of electric vehicles	P.04	IEC 62752:2024	电动汽车模式2 充电的线上控制与保护装置 (IC-CPD) In-cable control and protection device (IC-CPD) for mode 2 charging of electric road vehicles	IEC	20240327	<a href="#">IEC 62752:2024   IEC</a>
PV13	电动汽车充电系统	Electric Vehicles charging system	P.04	TR 25-1:2022+A1:2025	电动汽车充电系统 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	<a href="#">Singapore Standards</a>
PV17	医疗器械	Medical Device	P.05	GB 9706.1-2020	医用电气设备 第1部分: 基本安全和基本性能的通用要求 Medical electrical equipment-Part 1:General requirements for basic safety and essential performance	国家市场监督管理总局、国家标准化管理委员会	20200409	<a href="#">国家标准 - 全国标准信息公共服务平台</a>