

 TÜVRheinland® Precisely Right.	Certification Process_Ethipian PVoC Scheme	MS-0041469-Spec24, Rev.0 Annex n.1
	ANNEX 1: LIST OF PRODUCTS	

No	Product	HS Code	Applicable Standard
1	stand-alone solar energy products with power ratings less than or equal to 350 W (solar lantern and Solar home systems)	8513.1030 8513.1050	IEC TS 62257-9-8:2025 Renewable energy off-grid systems – Part 9-8: Integrated systems – Requirements for stand-alone renewable energy products with power ratings less than or equal to 350 W.
2	Circuit-breakers >50A	8536.20	ES IEC 60947-1:2020 (Low-voltage switchgear and control gear – Part 1: General rules) IEC 60947-2:2024 Low-voltage switchgear and controlgear - Part 2: Circuit-breakers IEC 60898-1:2015/AMD1:2019 Amendment 1 - Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 1: Circuit-breakers for a.c. operation IEC 60898-2:2016 Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 2: Circuit-breakers for AC and DC operation ES IEC 60898-3:2019+AMD1:2022 (Circuit-breakers for overcurrent protection for household and similar installations - Part 3: Circuit-breakers for DC operation)

3	Household refrigerating appliances	8418.1020 8418.2120 8418.3020 8418.40	ES IEC 62552-1:2015+AMD1:2020 CSV (Household refrigerating appliances - Characteristics and test methods - Part 1: General requirements) ES IEC 62552-2:2015+AMD1:2020 CSV (Household refrigerating appliances - Characteristics and test methods - Part 2: Performance requirements) IEC 60335-2-24:2025 Household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers.
4	Washing machines	84.50	IEC 60335-2-7:2024 Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines IEC 60456:2024 Washing machines for household use - Methods for measuring the performance IEC 60335-2-4:2023 Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors IEC 60335-2-11:2024 Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers IEC 61121:2012 Tumble dryers for household use - Methods for measuring the performance IEC 62512:2012 (Electric clothes washer-dryers for household use - Methods for measuring the performance)
5	Induction Motors	8501.4000 8501.5200 8501.5300	ES 6892: 2021: - Minimum Energy Performance Standard for 0.75Kw to 375KW three phase 50Hz AC induction motor

			<p>IEC 60034-1:2022 Rotating electrical machines - Part 1: Rating and performance</p> <p>IEC 60034-30-1:2014 Rotating electrical machines - Part 30-1: Efficiency classes of line operated AC motors (IE code)</p>
6	Agricultural tractors	87.01	<p>ISO 26322-1:2008 Tractors for agriculture and forestry — Safety Part 1: Standard tractors</p> <p>ISO 26322-2:2010 Tractors for agriculture and forestry — Safety Part 2: Narrow-track and small tractors</p> <p>ISO 4253:1993 Agricultural tractors — Operator's seating accommodation — Dimensions</p> <p>ISO 5721-1:2013 Agricultural tractors — Requirements, test procedures and acceptance criteria for the operator's field of vision Part 1: Field of vision to the front</p> <p>ISO 5721-2:2014 Agricultural tractors— Requirements, test procedures and acceptance criteria for the operator's field of vision Part 2: Field of vision to the side and to the rear</p> <p>ISO 12368:2001 Agricultural vehicles — Mechanical hook-type connections on towing vehicles — Test methods and requirements</p> <p>ISO 12003-1:2021 Tractors for agriculture and forestry — Roll-over protective structures on narrow tractors Part 1: Front-mounted ROPS</p> <p>ISO 27850:2013 Tractors for agriculture and forestry — Falling object protective structures</p>

			<p>— Test procedures and performance requirements ISO 11471:1995 Agricultural tractors and machinery — Coding of remote hydraulic power services and controls ISO 17900:2002 Agricultural trailers — Balanced and semi-mounted trailers — Determination of payload, vertical static load and axle load ISO 10998:2008/Amd 1:2014 Agricultural tractors — Requirements for steering, Amendment 1 ISO 12003-2:2021 Tractors for agriculture and forestry — Roll-over protective structures on narrow tractors Part 2: Rear-mounted ROPS</p>
7	Generators	8502.1100 8502.1200 8502.1300 8502.2000	<p>ISO 8528-1:2018 Reciprocating internal combustion engine driven alternating current generating sets Part 1: Application, ratings and performance ISO 8528-4:2005 Reciprocating internal combustion engine driven alternating current generating sets Part 4: Control gear and switchgear ISO 8528-5:2025 Reciprocating internal combustion engine driven alternating current generating sets Part 5: Generating sets ISO 8528-8:2016 Reciprocating internal combustion engine driven alternating current generating sets Part 8: Requirements and tests for low-power generating sets ISO 8528-10:2022 Reciprocating internal combustion engine driven alternating current generating sets Part 10: Measurement of airborne noise</p>

			ISO 8528-13:2016 Reciprocating internal combustion engine driven alternating current generating sets Part 13: Safet ISO 10816-6:1995/Amd 1:2015 Mechanical vibration — Evaluation of machine vibration by measurements on non-rotating parts — Part 6: Reciprocating machines with power ratings above 100 kW
8	Distribution transformers	85.04	IEC 60076-1:2011 Power transformers - Part 1: General And all other applicable IEC 60076 series
9	Mineral insulating oil/ Transformer oil	2710.1960	IEC 60296:2020 Fluids for electrotechnical applications – Mineral insulating oils for electrical equipment
10	pumps and its accessories	8413.7000	CES 124 : 2013 Rubber and plastics hoses and hose assemblies determination of suction resistance CES 125 : 2013 Marking of electrical equipment with ratings related to electrical supply - safety requirement CES 126:2013 Internal combustion engines — Piston rings — Part 1: Rectangular rings made of cast iron CES 127:2013 End-suction centrifugal pumps (Rating 16 bar)-designation, nominal duty point and dimension CES 128:2013 Rubber hose and hose assemblies for water suction and discharge specification CES 129:2013 Rubber and plastics hoses and hose assemblies — Hydrostatic testing CES 130:2013 Reciprocating internal combustion engines-fire protection CES 131:2013

			<p>Rotodynamic pumps-hydraulic performance acceptance tests-grades 1 and 2</p> <p>CES 132:2013</p> <p>Technical specifications for centrifugal pumps - Class III</p> <p>CES 133:2013</p> <p>Agricultural irrigation equipment filters for micro-irrigation-filters-part 2: strainer-type filter</p> <p>CES 134:2013</p> <p>Reciprocating internal combustion engines-handle starting equipment part 1: safety requirements and test</p> <p>CES 135:2013</p> <p>Rubber and plastics hoses for fuels for internal-combustion engines-method of test for flammability</p> <p>CES 136:2013</p> <p>Rubber hoses and tubing for air and vacuum system for internal combustion engines-specification</p>
11	Toys	9503	<p>ISO 8124-1:2022</p> <p>Safety of toys</p> <p>Part 1: Safety aspects related to mechanical and physical properties</p> <p>ISO 8124-4:2025</p> <p>Safety of toys</p> <p>Part 4: Activity toys for domestic use</p> <p>ISO 8124-5:2015</p> <p>Safety of toys — Part 5: Determination of total concentration of certain elements in toy</p> <p>ISO 8124-6:2023</p> <p>Safety of toys — Part 6: Certain phthalate esters</p> <p>ISO 8124-7:2015</p> <p>Safety of toys — Part 7: Requirements and test methods for finger paints"</p> <p>"ES ISO 8124-7:2015/Amd 1:2020</p> <p>Safety of toys — Part 7: Requirements and test methods for finger paints — Amendment 1</p> <p>ISO/TR 8124-9:2020</p> <p>Safety of toys</p>

			<p>Part 9: Safety aspects related to mechanical and physical properties — Comparison of ISO 8124-1, EN 71-1 and ASTM F963</p> <p>ISO/TR 8124-9:2020</p> <p>Safety of toys</p> <p>Part 9: Safety aspects related to mechanical and physical properties — Comparison of ISO 8124-1, EN 71-1 and ASTM F963</p> <p>ISO 8124-10:2023</p> <p>Safety of toys — Part 10: Experimental sets for chemistry and related activities</p> <p>ISO 8124-11:2019</p> <p>Safety of toys — Part 11: Chemical toys (sets) other than experimental sets</p> <p>ISO 8124-12:2023</p> <p>Safety of toys — Part 12: Microbiological safety</p> <p>IEC 62115:2017</p> <p>Electric toys - Safety</p>
12	fuses for industrial application such as NH, NF, BS ... fuse systems	8536.1000	<p>IEC 60269-1:2024</p> <p>Low-voltage fuses – Part 1: General requirements</p> <p>IEC 60269-2:2013+AMD1:2016+AMD2:2024 CSV</p> <p>Low-voltage fuses - Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) - Examples of standardized systems of fuses A to K</p>
13	Uninterruptible power systems (UPS)	8504.4090	<p>IEC 62040-1:2017+AMD1:2021+AMD2:2022</p> <p>Uninterruptible power systems (UPS) - Part 1: Safety requirements</p> <p>IEC 62040-2:2016</p> <p>Uninterruptible power systems (UPS) - Part 2: Electromagnetic compatibility (EMC) requirements</p> <p>IEC 62040-3:2021</p> <p>Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements</p>

			IEC 62040-4:2013 Uninterruptible power systems (UPS) - Part 4: Environmental aspects - Requirements and reporting
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