

INTERNATIONAL STANDARDS LIST

Power electronic standards

AEG PS Tours equipment is designed and build according to the applicable sections of IEC standards listed below.

IEC/EN60051	Electrical measurements instruments.
IEC/EN60068	Environmental testing.
IEC/EN60073	Colours of indicator lights and push-buttons.
IEC/EN60076	Power transformers.
IEC/EN60529	Degrees of protection of enclosures for low voltage switchgear and control gear
IEC/EN60146	Semiconductor converters.
IEC/60157	Low voltage distribution gear.
IEC 60158	Low voltage control gear.
IEC/EN60044-1	Current transformers.
IEC 60186	Voltage transformers.
IEC/EN60204	Electrical equipment of industrial machines.
IEC/EN60228	Conductors of insulated cables.
IEC/EN60255	Electrical relays.
IEC/EN60269	Low voltage fuses.
IEC/EN60289	Reactors.
IEC/EN60384	Fixed capacitors for use in electronic equipment.
IEC/EN60439	Low voltage switchgear and control gear assemblies.
IEC/EN60445	Identification of apparatus terminals and general rules for a uniform system of terminal marking.
IEC/EN60446	Identification of insulated and bare conductors by colour.
IEC 60478	Stabilised power supplies DC output.
IEC/EN60598	Lamp.
IEC/EN60417	Graphical symbols for use on equipment.
IEC/EN60617	Graphical symbols for diagrams.
IEC 60750 (1983)	Replaced by IEC 61346 (1996).
IEC 61346	Industrial Systems, Installations and Equipment and Industrial Products - Structuring Principles and Reference Designations Part 1: Basic Rules; Part 2: Classification of objects and codes for classes
EN 50178	Electronic equipment for use in power installations.
EN 55011	Limits and methods of measurement of radio interference characteristics of industrial, scientific and medical radio-frequency equipment.
EN50272-2	Safety requirements for secondary batteries and battery installations.
EN 60947	Low voltage switchgear and controlgear (circuit breakers, switches, contactors).
NF C58-311	Procédure d'essai de type pour redresseurs-chargeurs batteries d'accumulateurs.

For special purpose equipment like on board ship, Telecom, etc. we will follow the applicable IEC standards

EMC standards

Immunity standards

EN61000-6-2	Generic standards - Immunity for industrial environments.
EN61000-4-2	Testing and measurement techniques – Electrostatic discharge immunity test. Test severity: level 3 – class B.
EN61000-4-3	Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test. Test severity: level 3 – class A.
EN61000-4-4	Testing and measurement techniques - Electrical fast transient/burst immunity test. Test severity: level 3 – class B.
EN61000-4-5	Testing and measurement techniques - Surge immunity test. Test severity: level 3 – class B.
EN61000-4-6	Testing and measurement techniques - Immunity to conducted disturbances induced by radio frequency fields. Test severity: level 3 – class A.
EN61000-4-11	Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests. Test severity: class B (Not applicable if Neutral disconnected).

Emission standards

EN61000-6-4	Generic standards - Emission standard for industrial environments.
EN55011	Limits and methods of measurement of radio disturbance characteristics of industrial, scientific and medical (ISM) radio-frequency equipment. Radiated electric field and conducted current on AC mains. Test severity: class A.
EN61000-3-2	Electromagnetic compatibility (EMC). Limits for harmonic current emissions (equipment input current up to and including 16 A per phase).

EN61000-3-3 Electromagnetic compatibility (EMC). Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection (Not applicable if Neutral disconnected).