ELENCO PROVE ACCREDITATE - CATEGORIA: 0

Alimentatori a bassa tensione con uscita in corrente continua / Low-Voltage power supplies, d.c. Output

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Misure di emissione e prove di immunità / Emission measurements and immunity tests	IEC 61204-3:2011 IEC 61204-3:2016 EN 61204-3:2000 EN 61204-3:2018		

Apparati radio e apparati ausiliari / Radio and ancillary equipment

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Compatibilità elettromagnetica e questioni relative allo spettro delle radiofrequenze (ERM); compatibilità elettromagnetica (EMC) per apparecchiature e servizi radio; Parte 3: Condizioni specifiche per dispositivi a breve portata (SRD) operanti su frequenze tra 9 kHz e 246 GHz /Electromagnetic compatibility and Radio spectrum Matters (ERM);ElectroMagnetic Compatibility (EMC) standard for radio equipment and services;Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz (f min = 9 kHz f max = 18 GHz)	ETSI EN 301 489-3 V1.6.1		
Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 34: Specific conditions for External Power Supply (EPS) for mobile phones	ETSI EN 301 489-34 V1.4.1		
Electromagnetic compatibility and Radio spectrum Matters (ERM);ElectroMagnetic Compatibility (EMC) standard for radio equipment;Part 17: Specific conditions for Broadband Data Transmission Systems (f min = 9 kHz f max = 18 GHz)	ETSI EN 301 489-17 V3.1.1		
Misura di emissione di spurie dei ricevitori / Receiver spurious emission	ETSI EN 300 328 V2.1.1		
Misura di emissione di spurie dei ricevitori / Receiver spurious emission (Intervallo operativo di frequenza: f min = 9 kHz f max = 18 GHz/ Operating frequency range: f min = 9 kHz f max = 18 GHz)	ETSI EN 300 440-2 V1.4.1		
Misura di emissione di spurie dei trasmettitori/Transmitter spurious emission	ETSI EN 300 328 V2.1.1		
Misura di emissione di spurie dei trasmettitori/Transmitter spurious emission (Intervallo operativo di frequenza: f min = 9 kHz f max = 18 GHz/ Operating frequency range: f min = 9 kHz f max = 18 GHz)	ETSI EN 300 440 V2.1.1		
Misure di emissione e prove di immunità / Emission measurements and immunity tests	ETSI EN 303 446-1 V1.1.0		
Misure di emissione e prove di immunità / Emission measurements and immunity tests	ETSI EN 303 446-2 V1.1.0		

Apparati radio e apparati ausiliari/Radio and ancillary equipment

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Compatibilità elettromagnetica e questioni relative allo spettro delle radiofrequenze (ERM); compatibilità elettromagnetica (EMC) per apparecchiature e servizi radio; Parte 1: Requisiti tecnici comuni / Electromagnetic compatibility and Radio Spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirement (f min = 9 kHz f max = 18 GHz) (Esclusi paragrafi 9.6 e Annex B / Escluded clause 9.6 e Annex B)	ETSI EN 301 489-1 V2.1.1 escl. 9.6, Annex B		

Apparecchi di illuminazione / Lighting Equipment

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

Misure di emissione / Emission measurements (Emissione irradiata limitata a 1 GHz / Radiated Emission up to 1GHz)	ICES-005 (Issue 5, December 2018)		

Apparecchi di illuminazione / Lighting Equipment

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Misure di emissione / Emission measurements	CISPR 15:2013 +A1:2015 CISPR 15:2018 (Escluse le lampade singole/Excluded single capped lamps) EN 55015:2013+A1:2015		
Prove di immunità / Immunity tests	IEC 61547:2009 EN 61547:2009		

Apparecchi e sistemi per la navigazione marittima e radiocomunicazione / Maritime navigation and radiocommunication equipment and system

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Misure di emissione e prove di immunità / Emission measurements and immunity tests	IEC 60945:2002+COR1:2008 EN 60945:2002 (clauses 9 and 10)		

Apparecchi elettrici di misura, controllo e per utilizzo in Laboratorio / Electrical equipment for measurement, control and laboratory use

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Misure di emissione e prove di immunità / Emission measurements and immunity tests	IEC 61326-1:2012 EN 61326-1:2013		

Apparecchi Elettromedicali / Medical Electrical Equipment

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Misure di emissione e prove di immunità / Emission measurements and immunity tests	IEC 60601-1-2:2007 IEC 60601-1-2:2014 EN 60601-1-2:2007+AC:2010 EN 60601-1-2:2015		

Apparecchi industriali, scientifici e medicali/Industrial, scientific and medical equipment

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Emission measurements	ICES-001 (Issue 4, June 2006)		
Misure di emissione / Emission measurements	CISPR 11:2015 + A1:2016+A2:2019 CISPR 11:2009+A1:2010 EN 55011:2016 EN 55011 :2009+A1:2010		

Apparecchi per la tecnologia dell'informazione / Information tecnology equipment

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Misure di emissione / Emission measurements	CISPR 22:2008 EN 55022:2010+AC: 2011		

Apparecchi per la tecnologia dell'informazione / Information tecnology equipment

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Prove di immunità / Immunity tests	CISPR 24:2010 +A1:2015 EN 55024:2010+A1:2015		

Apparecchiatura per la saldatura a resistenza / Resistance welding equipment

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Misure di emissione e prove di immunità / Emission measurements and immunity tests	IEC 62135-2:2015 EN 62135-2:2015		

Apparecchiatura per la saldatura ad arco / Arc welding equipment

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

Misure di emissione e prove di immunità / Emission measurements and immunity tests	IEC 60974-10:2014 + A1:2015 EN 60974-10:2014 + A1:2015		

Apparecchiature assiemate di protezione e di manovra per bassa tensione (quadri BT) / Low-voltage switchgear and controlgear assemblies

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Misure di emissione e prove di immunità / Emission measurements and immunity tests	IEC 61439-1:2011 EN 61439-1:2011		

Apparecchiature elettriche ed elettroniche / Electric and electronic equipment

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Electrical fast transient / burst immunity test	IEC 61000-4-4:2012 EN 61000-4-4:2012		
Electrostatic discharge immunity test	IEC 61000-4-2:2008 EN 61000-4-2:2009		
- Harmonic current measurement	IEC 61000-3-12:2011 EN 61000-3-12:2011		
- Harmonic current measurement	IEC 61000-3-2:2014 IEC 61000-3-2:2018 (Esclusi gli apparecchi di illuminazione con potenza compresa tra 5 W e 25 W/Excluded lighting equipment with input power between 5 W and 25 W) EN 61000-3-2:2014		
Immunity to conducted disturbances, induced by radio-frequency fields	IEC 61000-4-6:2013 EN 61000-4-6:2014		
Immunity to conducted, differential mode disturbances and signalling in the frequency range 2 kHz to 150 kHz at a.c. power ports	IEC 61000-4-19:2014 EN 61000-4-19:2014		
Prova di immunità a fluttuazioni di tensione / Voltage fluctuations immunity test	IEC 61000-4-14:1999+A1:2001+A2:2009 EN 61000-4-14:1999+A1:2004+A2:2009		
Prova di immunità a onde oscillatorie / Ring wave immunity test	IEC 61000-4-12:2006 IEC 61000-4-12:2017 EN 61000-4-12:2006 EN 61000-4-12:2017		
Prova di immunità ai buchi di tensione, alle brevi interruzioni e alle variazioni di tensione sulle porte di alimentazione a tensione continua / Voltage dips, short interruptions and voltage variations on d.c. Input power ports, immunity tests	IEC 61000-4-29:2000 EN 61000-4-29:2000		
Prova di immunità ai campi magnetici a frequenza di rete / Power frequency magnetic field immunity test	IEC 61000-4-8:2009 EN 61000-4-8:2010		
Prova di immunità ai disturbi condotti di modo comune (0Hz to 150kHz) / Immunity to conducted common mode disturbances (0Hz to 150kHz)	IEC 61000-4-16:1998+A1:2001+A2:2009 IEC 61000-4-16:2015 EN 61000-4-16:1998+A1:2004+A2:2011 EN 61000-4-16:2016		

Prova di immunità alle variazioni della frequenza di alimentazione / variation of power frequency, immunity test	IEC 61000-4-28:1999+A1:2001+A2:2009 EN 61000-4-28:2000+A1:2004+A2:2009		
Radiated, radio-frequency, electromagnetic field immunity test	IEC 61000-4-3:2006 + A1:2007 + A2:2010 EN 61000-4-3:2006 + A1:2008 + IS1:2009 + A2:2010		
Surge immunity test	IEC 61000-4-5:2014+A1:2017 EN 61000-4-5:2014+A1:2017		
Testing and measurement techniques – Harmonics and interharmonics including mains signalling at a.c. power port, low frequency immunity tests	IEC 61000-4-13:2002+A1:2009+A2:2015 EN 61000-4-13:2002+A1:2009+A2:2016		
Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests	IEC 61000-4-11:2004+A1:2017 EN 61000-4-11:2004+A1:2017		
Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current more than 16 A per phase	IEC 61000-4-34:2005+A1:2009 EN 61000-4-34:2007+A1:2009		
- Voltage changes, voltage fluctuations and flicker measurement	IEC 61000-3-3:2013+A1:2017 EN 61000-3-3:2013		
- Voltage changes, voltage fluctuations and flicker measurement	IEC 61000-3-11:2017 EN 61000-3-11:2000		

Apparecchiature elettriche ed elettroniche e materiali metallici / Electric and electronic equipment and metal materials

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Test Db: Damp heat, cyclic (12 h + 12 h cycle)	IEC 60068-2-30:2005 EN 60068-2-30:2005		
Test Ka: Salt Mist	IEC 60068-2-11:1981 EN 60068-2-11:1999		
Test Kb: Salt mist, cyclic (sodium chloride solution) (Limitata alla Neutral Salt Solution / Limited to Neutral Salt Solution)	IEC 60068-2-52:2017 EN 60068-2-52:2018		
Test Na, Nb: change of temperature Test Nc not covered (Range di temperatura: -40°C a 150°C / Temperature Range: -40°C to 150°C For test Nb max 1K/min)	IEC 60068-2-14:2009 EN 60068-2-14:2009		
Test Z/AD: Composite temperature/humidity cyclic test (Range di temperatura: -10°C a 65°C / Temperature Range: -10°C a 65°C Gradiente / Gradient 1.2K/min)	IEC 60068-2-38:2009 EN 60068-2-38:2009		

Apparecchiature elettriche ed elettroniche per gli ambienti industriali / Electric and electronic equipment for industrial environments

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Misure di emissione / Emission measurements	IEC 61000-6-4:2006+A1:2010 IEC 61000-6-4:2018 EN 61000-6-4:2007+A1:2011		

Prove di immunità / Immunity tests	IEC 61000-6-2:2005 IEC 61000-6-2:2016 EN 61000-6-2:2005		

Apparecchiature elettriche ed elettroniche per gli ambienti residenziali, commerciali e dell'industria leggera / Electric and electronic equipment for residential, commercial and light-industrial environments

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Misure di emissione / Emission measurements	IEC 61000-6-3:2006+A1:2010 EN 61000-6-3:2007+A1:2011+ AC:2012		
Prove di immunità / Immunity tests	IEC 61000-6-1:2005 IEC 61000-6-1:2016 EN 61000-6-1:2007		

Apparecchiature elettriche, elettroniche e meccaniche, componenti e materiali / Electric, electronic and mechanical equipment, components and materials

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Test A:Cold (Limite di temperatura -40°C / Temperature limit -40°C)	IEC 60068-2-1:2007 EN 60068-2-1:2007		
Test B:Dry heat (Limite di temperatura 150°C / Temperature limit 150°C)	IEC 60068-2-2:2007 EN 60068-2-2:2007		
Test Cab: Damp heat, steady state	IEC 60068-2-78:2012 EN 60068-2-78:2013		
Test Eh: Hammer tests	IEC 60068-2-75:2014 EN 60068-2-75:2014		

Apparecchiature multimediali / Multimedia Equipment

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Misure di emissione / Emission measurements	CISPR 32:2015+COR1:2016 EN 55032:2015+AC:2016 (Esclusi ricevitori broadcast e apparecchi audio/video / Excluded broadcast receiver and audio/video equipment)		
Prove di immunità / Immunity tests (Esclusi ricevitori broadcast, apparecchi audio/video e dispositivi con porta xDSL / Excluded broadcast receiver, audio/video equipment and equipment with xDSL PORT)	CISPR 35:2016 EN 55035:2017		

Azionamenti elettrici a velocità variabile / Adjustable speed electrical power drive systems

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Misure di emissione e prove di immunità / Emission measurements and immunity tests	IEC 61800-3:2004 + A1:2011 IEC 61800-3:2017 EN 61800-3:2004 + A1:2012		

Convertitori connessi alla rete e protezione di interfaccia / Grid connected converters and interface protections

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Annex B - Test on inverters for inderectly connected power systems	CEI 0-21:2019-04		
Appendix B (Power factor test), Appendix C (Harmonic current limit test), Appendix D (Transient voltage limit test), Appendix E (DC injection test), Appendix F (Active anti-islanding test), Appendix G (Voltage and frequency limits (Passive anti-islanding protection) test), Appendix H (Limits for sustained operation) , Appendix I (Demand and power quality response mode testing including disconnection on external signal, Appendix J (Multiple inverter testing)	AS/NZS 4777.2:2015		

- Flicker (par.4.1.3); - Harmonics and waveform distortion (par.4.1.6); - Power factor (par.4.1.7); - Syncronization (par.4.1.8); - Overvoltage and undervoltage (par.4.2.2.3.2); - Overfrequency and underfrequency (par.4.2.2.3.3); - Prevention of islanding (par.4.2.2.4); - DC current injection (par.4.2.2.5)	NRS 097-2-1:2010
- Functional safety (par.6.1); - Switch-on condition (par.6,2) - Voltage monitoring (par.6.3); - Frequency monitoring (par.6.4); - Direct current monitoring (par.6.5); - Detection of island operation (par.6.6);	DIN VDE V 0126-1-1 (VDE V 0126-1-1):2013-08
- Injection of direct current to main supply (par. 5.1); - Behavior under isolation failure (par. 5.2); - Detection of fault currents in the PV generator (par. 5.3); - Disconnection due voltage and frequency (par 5.4); - Automatic reconnection (par. 5.5); - Detection of island operation (par. 5.6); - Generation surges (par. 5.7); - Network quality (par. 5.8); - Reconnection out of sync (par. 5.9)	UNE 206007-1 IN:2013
Islanding prevention measures	IEC 62116:2014 EN 62116:2014
- Rapid Voltage changes (par.5.1.2) - Flicker (par.5.1.3) -Harmonics and inter-harmonics (par 5.1.4) - Proof of the symmetrical behavior of rotary current converter units (par.5.2) -Proof of the behavior of the generation unit on the grid (par. 5.3) - Proof of NS protection (par. 5.4) - Connection conditions and syncronization (par. 5.5) (Tutto)	DIN V VDE V 0124-100 (VDE V 0124-100):2012
- Tolerance of Frequency and Voltage Deviations (par.5); - Frequency Response (par.6); - Reactive Power Capabilities (par.7); - Reactive Power and Voltage Control Functions (par.8); - Power Quality (par.9); - Protection and Fault levels (par.10); - Active Power Constraint Functions (par.11)	GRID CONNECTION CODE FOR RENEWABLE POWER PLANTS (RPPs) CONNECTED TO THE ELECTRICITY TRANSMISSION SYSTEM (TS) OR THE DISTRIBUTION SYSTEM (DS) IN SOUTH AFRICA (Version 2.8 - 2014)
- Unintentional islanding test (par.5.7.1) (<120kVA)	IEEE 1547.1:2005+IS1:2010
- Unintentional islanding test (par.5.7.1) (<120kVA)	IEEE 1547:2003
- Voltage, current and frequency (par.4.1); - Normal voltage operating range (par.4.2); - Flicker (par.4.3); - DC injection (par.4.4); - Normal frequency operating range (par.4.5); - Harmonics and waveform distortion (par.4.6); - Power factor (par.4.7); - Loss of utility voltage (par.5.1); - Over/under voltage and frequency (par.5.2); - Islanding protection (par.5.3); Response to utility recovery (par.5.4) (Tutto tranne 5.5, 5.6, 5.7)	IEC 61727:2004 EN 61727:1995

Convertitori connessi alla rete e protezione di interfaccia/Grid connected converters and interface protections

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

- Compatibility with the electrical grid (par.4); - Personal safety and PV system protection (par. 5); - External control (par. 6); - Requirements for supportability to voltages caused by electrical faults (fault ride through - FRT) (par. 7)	ABNT NBR 16149:2013
- Disconnection times (par.13.8.3.1); - Over / Under Voltage (par.13.8.3.2); - Over / Under Frequency (par.13.8.3.3); - Loss of Mains Protection, Inverter connected machines (par.13.8.3.4A); - Reconnection (par.13.8.3.5); - Frequency Drift and Step Change Stability test (par.13.8.3.6) - Harmonics (par.13.8.4.1); - Power Factor (par.13.8.4.2); - Voltage Flicker (par.13.8.4.3); - DC Injection (par.13.8.4.4); - Over current Protection (par.13.8.3.4.5) - Short circuit Current Contribution inverter connected Generating Units (par.13.8.4.6A); - Self Monitoring - Solid State Disconnection (par.13.8.4.7)	ENA G59/3-2:2015
- Disconnection times (par.A1.3.1); - Over / Under Voltage (par.A1.3.2); - Over / Under Frequency (par.A1.3.3); - Loss of Mains (LoM) Protection (par.A1.3.4); - Re-connection (par.A1.3.5); - Frequency Drift and Step Change Stability test (par.A1.3.6); - Harmonics (par.A1.4.1); - Power Factor (par.A1.4.2); - Voltage Flicker (par.A1.4.3); - DC Injection (par.A1.4.4); - Short circuit Current Contribution (par.A1.4.6); - Self Monitoring - Solid State Disconnection (par.A1.4.7) (Type Verification Functional Testing of the Interface Protection (Appendix A1.3))	ENA G83/2:2012
- Efficiency measurement (par.4,5,6); - Loss measurements (par.7) (Tutto)	IEC 61683:1999 EN 61683:2000
- Flicker (par. 6.1); - c.c. component injection (par. 6.2); - Harmonics and wave-form distortion (par. 6.3); - Power factor (par. 6.4); - Reactive power injection / demand (par. 6.5); - Voltage variation (par. 6.6); - Frequency variation (par. 6.7); - Active power control in overfrequency (par. 6.8); - Reconnection (par. 6.9); - Automatic out-of-phase reconnection (par. 6.10); - Active power limitation (par. 6.11); - Reactive power command (par. 6.12); - Disconnection and reconnection of the photovoltaic system in the electrical grid (par. 6.13); - Supportability requirements to undervoltages due to faults in the electrical grid (fault ride through - FRT)	ABNT NBR 16150:2013
Islanding prevention measures	ABNT NBR IEC 62116:2012

- Misura di correnti armoniche (par.N.3.1); - Misura di fluttuazioni di tensione dovute a manovre di sezionamento/separazione (par.N.3.2); - Misura di fluttuazioni di tensione (flicker) in condizioni di funzionamento continuo (par.N.3.3); - Verifica del campo di funzionamento in tensione e frequenza (par.N.4); - Verifica delle condizioni di sincronizzazione e presa di carico (par.N.5); - Verifica dei requisiti costruttivi circa lo scambio di potenza reattiva (par.N.6); - Verifica dei requisiti costruttivi circa la regolazione di potenza attiva (par.N.7); - Verifica della insensibilità agli abbassamenti di tensione (VFRT capability) (par.N.8); - Verifica della insensibilità alle richiusure automatiche in discordanza di fase (par.N.9) - Misura di correnti armoniche (par.Nbis.3.1); - Misura di fluttuazioni di tensione dovute a manovre di sezionamento/separazione (par.Nbis.3.2); - Misura di fluttuazioni di tensione (flicker) in condizioni di funzionamento continuo (par.Nbis.3.3); - Verifica del campo di funzionamento in tensione e frequenza (par.Nbis.4); - Verifica delle condizioni di sincronizzazione e presa di carico (par.Nbis.5); - Verifica dei requisiti costruttivi circa lo scambio di potenza reattiva (par.Nbis.6); - Verifica dei requisiti costruttivi circa la regolazione di potenza attiva (par.Nbis.7); - Verifica della insensibilità agli abbassamenti di tensione (VFRT capability) (par.Nbis.8); - Verifica della insensibilità alle richiusure automatiche in discordanza di fase (par.Nbis.9) (<120kVA)	CEI 0-16:2019-04		
- Over / Under Voltage (par.D.2.3); - Over / Under Frequency (par.D.2.4); - Loss of Mains (LoM) detection (par.D.2.5); -Operating range (par.D.3.1); - Active power feed-in at under-frequency (par.D.3.2); -Power response to over-frequency (par.D.3.3); -Reactive power capability (par.D.3.4); -Connection and starting to generate electrical power (par.D.3.6); -Short-circuit current contribution (par.D.3.7); - Harmonic current emission (par.D.3.8); - Voltage fluctuations and flicker (D.3.9); -DC injection (par.D.3.10)	EN 50438:2013		
- Procedure of evaluation (par.4)	UNE 206006 IN:2011		
Vedere dettagli della norma DIN V VDE V 0124-100:2012 (Tutto)	VDE-AR-N 4105:2011		

Dispositivi a radiofrequenza, apparati digitali/RF devices, digital apparatus

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Misure di emissione / Emission measurements	ICES-003 (Issue 6, January 2016)		

Elettrodomestici, utensili elettrici e apparecchi similari / Household appliances, Electric tools and similiar apparatus

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
5.5.2 - Time domain evaluation of magnetic fields, 5.5.3 - Line spectrum evaluation, 5.5.4 - Simplified test methods	IEC 62233:2005 EN 62233:2008		

Misure di emissione / Emission measurements	CISPR 14-1:2005+A1:2008+A2:2011 CISPR 14-1:2016+COR1:2016 EN 55014-1:2006+A1:2009+A2:2011 EN 55014-1:2017		
Prove di immunità / Immunity tests	CISPR 14-2:2015 EN 55014-2:2015		

Fire hazard testing

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Abnormal heat - Ball pressure test method	IEC 60695-10-2:2014 EN 60695-10-2:2014		
Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials	IEC 60695-2-12:2010+A1:2014		
Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials	IEC 60695-2-13:2010+A1:2014		
Glowing/hot-wire based test methods –Glow-wire flammability test method for end products	IEC 60695-2-11:2014		
Glowinghot-wire based test methods – Glow-wire apparatus and common test procedure	IEC 60695-2-10:2013		
Test flames – 50 W horizontal and vertical flame test methods	IEC 60695-11-10:2013		
Test flames – Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	IEC 60695-11-5:2016		

Gradi di protezione forniti dalle coperture / Degrees of protection provided by enclosures

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
12 Tests for protection against access to hazardous parts indicated by the first; 13 Tests for protection against solid foreign objects indicated by the first characteristic numeral; 14 Tests for protection against water indicated by the second characteristic numeral; 15 Tests for protection against access to hazardous parts indicated by the additional letter; characteristic numeral (Escluso grado IPX9 / IPX9 excluded)	IEC 60529:1989+A1:1992+A2:2013 EN 60529:1991+ A1:2000+A2:2013+AC:2016-12		

Household and similar electrical appliances - Safety - Part 2-100: Particular requirements for hand-held mains-operated garden blowers, vacuums and blower vacuums

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-100:2002		

Industrial, Scientific, and Medical Equipment (FCC Part 18)

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Electromagnetic compatibility - Radiated and conducted emissions (up to 18 GHz)	FCC MP-5 (February 1986) FCC Part 18		

Interruttori automatici / Circuit-breakers

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Emission measurements and immunity tests (Annexes F.4, F.5 and J)	IEC 60947-2:2016+COR1:2016 IEC 60947-2:2006+A1:2009+A2:2013 EN 60947-2:2017 EN 60947-2:2006 + A1:2009 + A2:2013 (allegati F e J / Annexes F and J)		

Interruttori differenziali (RCD) per usi domestici e similari / Residual current-operated protective device (RCDs) for household and similar use

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Prove di immunità / Immunity tests	IEC 61543:1995+A1:2004+A2:2005 EN 61543:1995+AC:1997+A11:2003 +A11:2003/AC:2004+A12:2005+ A2:2006		

Involucri per apparecchiature elettriche / Enclosures for electrical equipment

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Degrees of protection provided by enclosures for electrical equipment against external mecha-nical impacts (IK code)	IEC 62262:2002 EN 62262:2002		

Macchine utensili / Machine tools

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Misure di emissione / Emission measurements	EN 50370-1:2005		
Prove di immunità / Immunity tests	EN 50370-2:2003		

Requisiti di sicurezza per i sistemi e le apparecchiature di conversione elettronica di potenza / Safety requirements for power electronic converter systems and equipment

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Clearance and creepage distances test 5.2.2.1 Non-accessibility test 5.2.2.2 Ingress protection test (IP rating) 5.2.2.3 Enclosure integrity test 5.2.2.4 Deflection test 5.2.2.4.2 Steady force test, 30N 5.2.2.4.2.2 Steady force test, 250N 5.2.2.4.2.3 Impact test 5.2.2.4.3 Drop test 5.2.2.4.4 Stress relief test 5.2.2.4.5 Stability test 5.2.2.5 Wall or ceiling mounted equipment test 5.2.2.6 Handles and manual control securement test 5.2.2.7 Impulse voltage test 5.2.3.2 a.c. or d.c. voltage test 5.2.3.4 Partial discharge test 5.2.3.5 Protective impedance test 5.2.3.6 Touch current measurement test 5.2.3.7 Capacitor discharge test 5.2.3.8 Limited power source test 5.2.3.9 Temperature rise test 5.2.3.10 Protective equipotential bonding test 5.2.3.11 Output Short circuit test 5.2.4.4 Output overload test 5.2.4.5 Breakdown of components test 5.2.4.6 PWB short circuit test 5.2.4.7 Loss of phase test 5.2.4.8 Cooling failure tests 5.2.4.9 Inoperative blower test 5.2.4.9.2 Clogged filter test 5.2.4.9.3 Loss of coolant test 5.2.4.9.4 Glow-wire test 5.2.5.3 Flammability test 5.2.5.5 Dry heat test 5.2.6.3.1 Damp heat test 5.2.6.3.2 Vibration test 5.2.6.4 Salt mist test 5.2.6.5 Dust and sand test 5.2.6.6 Hydrostatic pressure test 5.2.7	IEC 62477-1:2012+A1:2016 EN 62477-1:2012+A11:2014+A1:201 7		

Sicurezza degli apparati di conversione di potenza utilizzati in impianti fotovoltaici di Potenza. Parte 1: Prescrizioni generali

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
4 General testing requirements, 5 -Marking and documentation, 6 - Environmental requirements and conditions, 7 -Protection against electric shock and energy hazards, 8 - Protection against mechanical hazards, 9 Protection against fire hazards, 10 - Protection against sonic pressure hazards, 11 - Protection against liquid hazards, 12 - Chemical hazards, 13 Phisical requirements, 14 - Components (eccetto 8.4, 8.5)	IEC 62109-1:2010 EN 62109-1:2010		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 1: Norme generali

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards (Tutto tranne 22.16, 22.32, Annex F)	IEC 60335-1:2001+A1:2004 +A2:2006 IEC 60335-1:2010+A1:2013+A2:2016 EN 60335-1:2002+A1:2004+A2:2006 +A11:2004+A12:2006+A13:2008 +A14:2010+A15:2011 EN 60335-1:2012 +A11:2014+AC:2014+A13:2017		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per apparecchi da cucina

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-14:2006+A1:2008+A2:2012 IEC 60335-2-14:2016 EN 60335-2-14:2006 +A1:2008 +A11:2012+corrigendum Feb.2007 +A11/AC:2013 + A12:2016 + A11:2012/AC:2016		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per apparecchi per massaggio

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-32:2002+A1:2008+A2:2013 EN 60335-2-32:2003+A1:2008+A2:2015		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per apparecchi per l'igiene orale

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-52:2002+A1:2008 EN 60335-2-52:2003 +A1:2008 +A11:2010 +A11/EC:2012		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per apparecchi di grigliatura per uso esterno

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-78:2002+A1:2008 EN 60335-2-78:2003+A1:2008		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per apparecchi per il riscaldamento di liquidi

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-15:2002+A1:2005 +A2:2008 IEC 60335-2-15:2012+A1:2016 EN 60335-2-15:2002 +A1:2005 +A2:2008 +A11:2012+corrigendum Jul.2005 + corrigendum Dec.2006 + A11:2012/AC:2013 EN 60335-2-15:2016		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per apparecchi elettrici di riscaldamento per locali

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-30:2002+A1:2004 +A2:2007 IEC 60335-2-30:2009+A1:2016 EN 60335-2-30:2003 + A1:2004 +A2:2007 EN 60335-2-30:2009+A11:2012+corrigendum Mar.2010+AC:2014		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per apparecchi elettrici annessi ad acquari e bacini da giardino

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-55:2002+A1:2008 EN 60335-2-55:2003 + A1:2008		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per apparecchi per vaporizzare sostanze insettifughe o deodoranti

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-101:2002+A1:2008 +A2:2014 EN 60335-2-101:2002 +A1:2008 +A2:2014		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per apparecchi di refrigerazione, apparecchi per gelati e produttori di ghiaccio

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards (Tutto tranne 21.101)	IEC 60335-2-24:2002+A1:2005+A2:2007 IEC 60335-2-24:2010+A1:2012+A2:2017 EN 60335-2-24:2003 +A1:2005+A2:2007+A11:2004+A12:2009+corrigendum Aug.2010 EN 60335-2-24:2010		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per apparecchi di pulizia di superfici con l'uso di agenti pulenti liquidi o vapore per uso domestico

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards (Tutto tranne 21.101, 21.102, 21.103,21.104, 21.105)	IEC 60335-2-54:2002+A1:2004 +A2:2007 IEC 60335-2-54:2008+A1:2015 EN 60335-2-54:2003 +A1:2004 +A2:2007 +A11:2006 EN 60335-2-54:2008 +A11:2012+A11:2012/AC:2015 + A1:2015		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per apparecchi aventi bruciatori a gas, gasolio e combustibile solido provvisti di connessioni elettriche

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-102:2004+A1:2008+A2:2012 IEC 60335-2-102:2017 EN 60335-2-102:2006+A1:2010 EN 60335-2-102:2016		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per apparecchi per la pulizia a secco o umida, incluse le spazzole a motore, per uso industriale e commerciale

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards (Tutto tranne 21.102, 21.103,21.104, 21.105, 21.106)	IEC 60335-2-69:2002+A1:2004+A2:2007 IEC 60335-2-69:2012 IEC 60335-2-69:2016 EN 60335-2-69:2009 EN 60335-2-69:2012		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per apparecchi per il trattamento dei pavimenti e per la pulitura dei pavimenti bagnati, per uso industriale e collettivo

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-67:2002+A1:2005 IEC 60335-2-67:2012+A1:2016 EN 60335-2-67:2009 EN 60335-2-67:2012		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per apparecchi per la refrigerazione commerciale comprendenti un'unità di condensazione del fluido frigorifero o un compressore, incorporato o remoto

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-89:2002+A1:2005+A2:2007 IEC 60335-2-89:2010+A1:2012+A2:2015 EN 60335-2-89:2002+A1:2005+A2:2007+A11:2004+corrigendum Aug.2010 EN 60335-2-89:2010+AC:2014+A1:2016+A2:2017		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per armadi caldi elettrici per uso collettivo

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-49:2002+A1:2008 EN 60335-2-49:2003+A1:2008+A11:2012+corrigendum Sep.2007		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per asciugabiancheria

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 – Marking 8 – Protection against access to live parts 10 – Power input 11 – Heating 13 – Leakage current and el. strength at op. temp 14 – Transient overvoltages 15 – Moisture resistance 16 – Leakage current and el. Strength 17- Overload protection of transformers and associated circuits 18 - Endurance 19 – Abnormal Operations 20 – Stability and mechanical hazards 21 – Mechanical strength 22 – Construction 23 – Internal wiring 24 – Components 25 – Supply connection and ext. flexible cords 26 – Terminals for external conductors 27 – Provision for earthing 28 – Screws and connections 29 – Cl./Cr. distances and solid insulation 30 – Resistance to heat and fire 31 Resistance to rusting 32 Radiation, toxicity and similar hazards Annex AA Annex BB	IEC 60335-2-11:2008+A1:2012+A2:2 015 EN 60335-2-11:2010+A11:2012+A1: 2015		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per aspirapolvere ed apparecchi per pulizia ad aspirazione d'acqua

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards (Tutto tranne 21.101, 21.102, 21.103,21.104, 21.105)	IEC 60335-2-2:2002+A1: 2004 +A2:2006 IEC 60335-2-2:2009+A1:2012+A2:20 16 EN 60335-2-2:2003 +A1:2004 +A2:2006 +A11:2010 +A11/EC:2012 EN 60335-2-2:2010 +A11:2012 +A1:2013		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per attuatori di cancelli, porte e finestre motorizzati

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards (Tutto tranne 32.101)	IEC 60335-2-103:2002 IEC 60335-2-103:2006+A1:2010 IEC 60335-2-103:2015 EN 60335-2-103:2003 +A11:2009 EN 60335-2-103:2015		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per cappe da cucina

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-31:2002+A1:2006+A2:2008 IEC 60335-2-31:2012+A1:2016 EN 60335-2-31:2003+A1:2006+A2:2009+corrigendum Dec.2005 EN 60335-2-31:2014		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per cappe da cucina per uso commerciale

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-99:2003+A1:2017 EN 60335-2-99:2003		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per caricabatterie

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards, ANNEX AA	IEC 60335-2-29:2016		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per cucine, fornelli, forni ed apparecchi similari per uso domestico

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-6:2002+A1:2005+A2:2008 IEC 60335-2-6:2014 EN 60335-2-6:2003+A1:2005+A2:2008+A11:2010+A12:2012+A11/AC:2012+A13:2013 EN 60335-2-6:2015		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per cucine, forni, fornelli e piani di cottura elettrici per uso collettivo

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-36:2002+A1:2004+A2:2008 IEC 60335-2-36:2017 EN 60335-2-36:2002+A1:2004+A2:2008+A11:2012+corrigendum Aug.2007		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per distributori commerciali e apparecchi automatici per la vendita

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards (Tutto tranne Annex A)	IEC 60335-2-75:2002+A1:2004+A2:2008 IEC 60335-2-75:2012+A1:2015 EN 60335-2-75:2004+A1:2005+A2:2008+A11:2006+A12:2010		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per ferri da stiro

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-3:2002+A1:2005 +A2:2008 IEC 60335-2-3:2012+A1:2015 EN 60335-2-3:2002 +A1:2005 +A2:2008 +A11:2010 +A11/AC:2012 EN 60335-2-3:2016		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per forni elettrici a ventilazione forzata, forni per cottura a vapore e forni combinati convezione-vapore per uso collettivo

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-42:2002+A1:2008+A2:2017 EN 60335-2-42:2003+A1:2008+A11:2012+corrigendum Sep.2007		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per friggitrici elettriche per uso collettivo

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-37:2002+A1:2008+A2:2017 IEC 60335-2-37:2017 EN 60335-2-37:2002+A1:2008+A11:2012+corrigendum Aug.2007+A12:2016		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per gli apparecchi per la purificazione dell'aria

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-65:2002+A1:2008+A2:2015 EN 60335-2-65:2003+A1:2008+A11:2012		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per gli apparecchi per la cura della pelle e dei capelli

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-23:2003+A1:2008+A2:2012 IEC 60335-2-23:2016 EN 60335-2-23:2003+A1:2008+A11:2010+A11/AC:2012+A2:2015		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per gli apparecchi per l'asciugatura dei tessuti e per gli asciugasalviette

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-43:2002+A1:2005+A2:2008 EN 60335-2-43:2003+A1:2006+A2:2008		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per gli apparecchi per il trattamento dei pavimenti e per gli strofina-pavimenti per pavimenti bagnati

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

7 Marking and instructions, 8 Protection against access to live parts, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-10:2002+A1:2008 EN 60335-2-10:2003+A1:2008		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per grill e tostapane elettrici per uso collettivo

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-48:2002+A1:2008+A2:2017 EN 60335-2-48:2003+A1:2008+A11:2012+corrigendum Sep.2007		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per griglie, tostapane e apparecchi per cottura mobili similari

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-9:2002+A1:2004+A2:2006 IEC 60335-2-9:2008+A1:2012+A2:2016 EN 60335-2-9:2003+A1:2004+A2:2006+A12:2007+A13:2010+A13/AC:2011+A13/AC:2012		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per i motori di movimentazione di porte di garage a movimento verticale per uso residenziale

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-95:2002+A1:2004+A2:2008 IEC 60335-2-95:2011+A1:2015 EN 60335-2-95:2004 EN 60335-2-95:2015+A1:2015		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per idropulitrici ed apparecchi per la pulizia a vapore

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-79:2002+A1:2004+A2:2007 IEC 60335-2-79:2012 IEC 60335-2-79:2016 EN 60335-2-79:2009 EN 60335-2-79:2012		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per lavastoviglie

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 – Marking 8 – Protection against access to live parts 10 – Power input 11 - Heating 13 – Leakage current and el. strength at op. temp 14 – Transient overvoltages 15 – Moisture resistance 16 – Leakage current and el. Strength 17- Overload protection of transformers and associated circuits 18 - Endurance 19 - Abnormal Operations 20 – Stability and mechanical hazards 21 – Mechanical strength 22 – Construction 22.103 – Construction 23 – Internal wiring 24 – Components 25 – Supply connection and ext. flexible cords 26 – Terminals for external conductors 27 – Provision for earthing 28 – Screws and connections 29 – Cl./Cr. distances and solid insulation 30 – Resistance to heat and fire 31 Resistance to rusting 32 Radiation, toxicity and similar hazards Annex AA	IEC 60335-2-5:2012+A1:2018 EN 60335-2-5:2015		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per lavabiancheria

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 – Marking 8 – Protection against access to live parts 10 – Power input 11 – Heating 13 – Leakage current and el. strength at op. temp 14 – Transient overvoltages 15 – Moisture resistance 16 – Leakage current and el. Strength 17- Overload protection of transformers and associated circuits 18 - Endurance 19 – Abnormal Operations 20 – Stability and mechanical hazards 21 – Mechanical strength 22 – Construction 23 – Internal wiring 24 – Components 25 – Supply connection and ext. flexible cords 26 – Terminals for external conductors 27 – Provision for earthing 28 – Screws and connections 29 – Cl./Cr. distances and solid insulation 30 – Resistance to heat and fire 31 Resistance to rusting 32 Radiation, toxicity and similar hazards Annex AA	IEC 60335-2-7:2008+A1:2001+A2:20 16 EN 60335-2-7:2010+A11:2013		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per lavastoviglie elettriche per uso collettivo

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards (Tutto tranne Annex BB)	IEC 60335-2-58:2002+A1:2008+A2:2 015 EN 60335-2-58:2005+A1:2008+A11: 2010+corrigendum Aug.2007+A2:2015+A12:2016		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per le cabine con doccia multifunzione

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-105:2004+A1:2008+A2: 2013 IEC 60335-2-105:2016 EN 60335-2-105:2005+A1:2008+A11 :2010		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per le pompe di calore elettriche, per i condizionatori d'aria e per i deumidificatori

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards (Tutto tranne 22.108)	IEC 60335-2-40:2002+A1:2005+A2:2005 IEC 60335-2-40:2013+A1:2016 EN 60335-2-40:2003+A1:2006+A2:2009+A11:2004+A12:2005+A13:2012+corrigendum Apr.2006+corrigendum Aug.2010+A13:2012/AC:2013		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per macchine per cucire elettriche

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-28:2002+A1:2008 EN 60335-2-28: 2003+A1:2008		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per macchine da cucina elettriche per uso collettivo

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-64:1991+A1:1997 IEC 60335-2-64:2002+A1:2007 EN 60335-2-64:2000+A1:2002+corrigendum Jun.2002		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per macchine automatiche per il trattamento dei pavimenti per uso industriale e collettivo

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-72:2002+A1:2005 IEC 60335-2-72:2012 IEC 60335-2-72:2016 EN 60335-2-72:2009 EN 60335-2-72:2012		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per macchine per la pulizia a polverizzazione e ad aspirazione d'acqua per uso industriale e collettivo

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-68:2002+A1:2005 +A2:2007 IEC 60335-2-68:2012+A1:2016 EN 60335-2-68:2009 EN 60335-2-68:2012		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per motori di movimentazione per tapparelle, tende per esterno, tende e apparecchiature avvolgibili similari

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-97:2002+A1:2004+A2:2008 IEC 60335-2-97:2016 EN 60335-2-97:2006+A2:2010+A11:2008+A12:2015		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per padelle per friggere, friggitrici e apparecchi similari

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-13:2002+A1:2004+A2:2008 IEC 60335-2-13:2009+A1:2016 EN 60335-2-13:2003+A1:2004+A2:2008 EN 60335-2-13:2010+A11:2012		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per piastre a grigliare elettriche per uso collettivo

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-38:2002+A1:2008+A2:2017 EN 60335-2-38:2003+A1:2008+corrigendum Aug.2007		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per pompe

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-41:2002+A1:2004+A2:2009 IEC 60335-2-41:2012 EN 60335-2-41:2003+A1:2004+A2:2010		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per rasoi, tosatrici e apparecchi elettrici analoghi

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-8:2002+A1:2005+A2:2008 IEC 60335-2-8:2012+A1:2015 EN 60335-2-8:2003+A1:2005+A2:2008 EN 60335-2-8:2015+A1:2016		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per riscaldatori fissi ad immersione

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-73:2002+A1:2006+A2:2009 EN 60335-2-73:2003+A1:2006+A2:2009		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per riscaldatori mobili ad immersione

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-74:2002+A1:2006+A2:2009 EN 60335-2-74:2003+A1:2006+A2:2009		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per risciacquatrici elettriche per uso collettivo

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-62:2002+A1:2008 EN 60335-2-62:2003+A1:2008+corrigendum Aug.2007		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per scaldavivande elettrici ed apparecchi similari

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-12:2002+A1:2008 EN 60335-2-12:2003+A1:2008		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per umidificatori da utilizzarsi in sistemi di riscaldamento, ventilazione o di condizionamento dell'aria

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards (Tutto tranne 22.7, 22.106)	IEC 60335-2-88:2002 EN 60335-2-88:2002		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per utensili elettrici mobili riscaldanti e apparecchi similari

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-45:2002+A1:2008+A2:2011 EN 60335-2-45:2002+A1:2008+A2:2012		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per vasche per idromassaggio e per piscine di tipo ""spa""

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*

7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-60:2002+A1:2004+A2:2008 EN 60335-2-60:2003+A1:2005+A2:2008+A11:2010+A12:2010		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Norme particolari per ventilatori

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-80:2002+A1:2004+A2:2008 IEC 60335-2-80:2015 EN 60335-2-80:2003+A1:2004+A2:2009		

Sicurezza degli apparecchi elettrici d'uso domestico e similare - Parte 2: Prescrizioni particolari per umidificatori

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-98:2002+A1:2004+A2:2008 EN 60335-2-98:2003+A1:2005+A2:2008		

Sicurezza degli apparecchi elettrici d'uso domestico e similare Parte 2: Norme particolari per apparecchi sterminainsetti

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
7 Marking and instructions, 8 Protection against access to live parts, 9 Starting of motor-operated appliances, 10 Power input and current, 11 - Heating, 13 - Leakage current and electric strength at operating temperature, 14 - Transient overvoltage, 15 - Moisture resistance, 16 Leakage current and electric strength, 17 - Overload protection of transformers and associated circuits, 18 - Endurance, 19 - Abnormal operation, 20 - Stability and mechanical hazards, 21 - Mechanical strength, 22 - Construction, 23 - Internal wiring, 24 - Components, 25 - Supply connection and external flexible cords, 26 - Terminal s for external conductors, 27 - Provision for earthing, 28 - Screws and connections, 29 - Clearances, creepage distances and solid insulation, 30 - Resistance to heat and fire, 31 - Resistance to rusting, 32 - Radiation, toxicity and similar hazards	IEC 60335-2-59:2002+A1:2006+A2:2009 EN 60335-2-59:2003 +A1:2006 +A2:2009		

Sicurezza degli apparecchi elettrici d'uso domestico e similare Parte2: Norme particolari per forni a microonde, compresi forni a microonde combinati

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Classificazione / Classification (par. 6); Marcatura e istruzioni / Marking and instructions (par. 7); Protezione contro l'accesso a parti in tensione / Protection against access to live parts (par. 8); Potenza e corrente / Power input and current (par. 10); Riscaldamento / Heating (par. 11); Corrente di dispersione e rigidità dielettrica alla temperatura di funzionamento / Leakage current and electric strength at operating temperature (par. 13); Sovratensioni transitorie / Transient overvoltage (par. 14); Resistenza all'umidità / Moisture resistance (par. 15); Corrente di dispersione e rigidità dielettrica / Leakage current and electric strength (par. 16); Protezione contro il sovraccarico dei trasformatori e dei circuiti associati / Overload protection of transformers and associated circuits (par. 17); Durata / Endurance (par. 18); Funzionamento anormale / Abnormal operation (par. 19); Stabilità e pericoli meccanici / Stability and mechanical hazards (par. 20); Resistenza meccanica / Mechanical strength (par. 21); Costruzione / Construction (par. 22); Cavi interni / Internal wiring (par. 23); Componenti / Components (par. 24); Collegamento alla rete e cavi flessibili esterni / Supply connection and external flexible cords (par. 25); Morsetti per cavi esterni / Terminals for external conductors (par. 26); Disposizioni per la messa a terra / Provision for earthing (par. 27); Viti e connessioni / Screws and connections (par. 28); Distanze di isolamento superficiali, in aria e distanze attraverso l'isolamento solido / Clearances, creepage distances and solid insulation (par. 29); Resistenza al calore e al fuoco / Resistance to heat and fire (par. 30); Protezione contro la ruggine / Resistance to rusting (par. 31); Radiazione, tossicità e pericoli analoghi / Radiation, toxicity and similar hazards (par. 32)	IEC 60335-2-25:2010+A1:2014+A2:2015 EN 60335-2-25:2012+A1:2015+A2:2016		

Sicurezza dei convertitori di potenza utilizzati negli impianti Fotovoltaici. Parte 2: Prescrizioni particolari per gli inverter

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
4 General testing requirements, 5 -Marking and documentation, 6 - Environmental requirements and conditions, 7 -Protection against electric shock and energy hazards, 8 - Protection against mechanical hazards, 9 Protection against fire hazards, 10 - Protection against sonic pressure hazards, 11 - Protection against liquid hazards, 12 - Chemical hazards, 13 Phisical requirements, 14 - Components - (eccetto 8.4, 8.5)	IEC 62109-2:2011 EN 62109-2:2011		

Sistemi di allarme / Alarm systems

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Electromagnetic compatibility - Immunity requirements	EN 50130-4:2011 + A1:2014		

Solid insulating materials

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Method for the determination of the proof and the comparative tracking indices of solid insulating materials	IEC 60112:2009		

Unintentional Radiators (FCC Part 15, Subpart B)

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Electromagnetic compatibility - Radiated and conducted emissions (up to 18 GHz)	ANSI C63.4-2014 FCC Part 15, Subpart B		

ELENCO PROVE ACCREDITATE - CATEGORIA: III

Convertitori connessi alla rete e protezione di interfaccia / Grid connected converters and interface protections

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
Appendix B (Power factor test), Appendix C (Harmonic current limit test), Appendix D (Transient voltage limit test), Appendix E (DC injection test), Appendix F (Active anti-islanding test), Appendix G (Voltage and frequency limits (Passive anti-islanding protection) test), Appendix H (Limits for sustained operation) , Appendix I (Demand and power quality response mode testing including disconnection on external signal, Appendix J (Multiple inverter testing)	AS/NZS 4777.2:2015		
- Compatibility with the electrical grid (par.4); - Personal safety and PV system protection (par. 5); - External control (par. 6); - Requirements for supportability to voltages caused by electrical faults (fault ride through - FRT) (par. 7)	ABNT NBR 16149:2013		
- Disconnection times (par.A1.3.1); - Over / Under Voltage (par.A1.3.2); - Over / Under Frequency (par.A1.3.3); - Loss of Mains (LoM) Protection (par.A1.3.4); - Re-connection (par.A1.3.5); - Frequency Drift and Step Change Stability test (par.A1.3.6); - Harmonics (par.A1.4.1); - Power Factor (par.A1.4.2); - Voltage Flicker (par.A1.4.3); - DC Injection (par.A1.4.4); - Short circuit Current Contribution (par.A1.4.6); - Self Monitoring - Solid State Disconnection (par.A1.4.7) (Type Verification Functional Testing of the Interface Protection (Appendix A1.3))	ENA G83/2:2012		
- Efficiency measurement (par.4,5,6); - Loss measurements (par.7)	IEC 61683:1999; EN 61683:2000		
- Flicker (par. 6.1); - c.c. component injection (par. 6.2); - Harmonics and wave-form distortion (par. 6.3); - Power factor (par. 6.4); - Reactive power injection / demand (par. 6.5); - Voltage variation (par. 6.6); - Frequency variation (par. 6.7); - Active power control in overfrequency (par. 6.8); - Reconnection (par. 6.9); - Automatic out-of-phase reconnection (par. 6.10); - Active power limitation (par. 6.11); - Reactive power command (par. 6.12); - Disconnection and reconnection of the photovoltaic system in the electrical grid (par. 6.13); - Supportability requirements to undervoltages due to faults in the electrical grid (fault ride through - FRT)	ABNT NBR 16150:2013		
- Flicker (par.4.1.3); - Harmonics and waveform distortion (par.4.1.6); - Power factor (par.4.1.7); - Syncronization (par.4.1.8); - Overvoltage and undervoltage (par.4.2.2.3.2); - Overfrequency and underfrequency (par.4.2.2.3.3); - Prevention of islanding (par.4.2.2.4); - DC current injection (par.4.2.2.5)	NRS 097-2-1:2010		

- Functional safety (par.6.1); - Switch-on condition (par.6,2) - Voltage monitoring (par.6.3); - Frequency monitoring (par.6.4); - Direct current monitoring (par.6.5); - Detection of island operation (par.6.6)	DIN VDE V 0126-1-1 (VDE V 0126-1-1):2013-08
- Injection of direct current to main supply (par. 5.1); - Behavior under isolation failure (par. 5.2); - Detection of fault currents in the PV generator (par. 5.3); - Disconnection due voltage and frequency (par 5.4); - Automatic reconnection (par. 5.5); - Detection of island operation (par. 5.6); - Generation surges (par. 5.7); - Network quality (par. 5.8); - Reconnection out of sync (par. 5.9)	UNE 206007-1 IN:2013
Islanding prevention measures	ABNT NBR IEC 62116:2012
Islanding prevention measures	IEC 62116:2014 EN 62116:2014
- Misura di correnti armoniche (par.N.3.1); - Misura di fluttuazioni di tensione dovute a manovre di sezionamento/separazione (par.N.3.2); - Misura di fluttuazioni di tensione (flicker) in condizioni di funzionamento continuo (par.N.3.3); - Verifica del campo di funzionamento in tensione e frequenza (par.N.4); - Verifica delle condizioni di sincronizzazione e presa di carico (par.N.5); - Verifica dei requisiti costruttivi circa lo scambio di potenza reattiva (par.N.6); - Verifica dei requisiti costruttivi circa la regolazione di potenza attiva (par.N.7); - Verifica della insensibilità agli abbassamenti di tensione (VFRT capability) (par.N.8); - Verifica della insensibilità alle richiusure automatiche in discordanza di fase (par.N.9) - Misura di correnti armoniche (par.Nbis.3.1); - Misura di fluttuazioni di tensione dovute a manovre di sezionamento/separazione (par.Nbis.3.2); - Misura di fluttuazioni di tensione (flicker) in condizioni di funzionamento continuo (par.Nbis.3.3); - Verifica del campo di funzionamento in tensione e frequenza (par.Nbis.4); - Verifica delle condizioni di sincronizzazione e presa di carico (par.Nbis.5); - Verifica dei requisiti costruttivi circa lo scambio di potenza reattiva (par.Nbis.6); - Verifica dei requisiti costruttivi circa la regolazione di potenza attiva (par.Nbis.7); - Verifica della insensibilità agli abbassamenti di tensione (VFRT capability) (par.Nbis.8); - Verifica della insensibilità alle richiusure automatiche in discordanza di fase (par.Nbis.9)	CEI 0-16:2019-04
- Procedure of evaluation (par.4)	UNE 206006 IN:2011
- Rapid Voltage changes (par.5.1.2) - Flicker (par.5.1.3) -Harmonics and inter-harmonics (par 5.1.4) - Proof of the symmetrical behavior of rotary current converter units (par.5.2) -Proof of the behavior of the generation unit on the grid (par. 5.3) - Proof of NS protection (par. 5.4) - Connection conditions and syncronization (par. 5.5)	DIN V VDE V 0124-100 (VDE V 0124-100):2012

- Tolerance of Frequency and Voltage Deviations (par.5); - Frequency Response (par.6); - Reactive Power Capabilities (par.7); - Reactive Power and Voltage Control Functions (par.8); - Power Quality (par.9); - Protection and Fault levels (par.10); - Active Power Constraint Functions (par.11)	GRID CONNECTION CODE FOR RENEWABLE POWER PLANTS (RPPs) CONNECTED TO THE ELECTRICITY TRANSMISSION SYSTEM (TS) OR THE DISTRIBUTION SYSTEM (DS) IN SOUTH AFRICA (Version 2.8 - 2014)		
- Unintentional islanding test (par.5.7.1)	IEEE 1547.1:2005+IS1:2010		
- Unintentional islanding test (par.5.7.1) (<120kVA)	IEEE 1547:2003		
- Verification of the electrical properties (par.9); - Islanding detection (Annex D)	VDE-AR-N 4105:2011		
- Voltage, current and frequency (par.4.1); - Normal voltage operating range (par.4.2); - Flicker (par.4.3); - DC injection (par.4.4); - Normal frequency operating range (par.4.5); - Harmonics and waveform distortion (par.4.6); - Power factor (par.4.7); - Loss of utility voltage (par.5.1); - Over/under voltage and frequency (par.5.2); - Islanding protection (par.5.3); Response to utility recovery (par.5.4) (Tutto tranne 5.5, 5.6, 5.7)	IEC 61727:2004 EN 61727:1995		

Elettrodomestici, utensili elettrici e apparecchi similari / Household appliances, Electric tools and similiar apparatus

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
5.5.2 - Time domain evaluation of magnetic fields, 5.5.3 - Line spectrum evaluation, 5.5.4 - Simplified test methods	IEC 62233:2005 EN 62233:2008		

Sicurezza degli apparati di conversione di potenza utilizzati in impianti fotovoltaici di Potenza. Parte 1: Prescrizioni generali

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
4 General testing requirements, 5 -Marking and documentation, 6 - Environmental requirements and conditions, 7 -Protection against electric shock and energy hazards, 8 - Protection against mechanical hazards, 9 Protection against fire hazards, 10 - Protection against sonic pressure hazards, 11 - Protection against liquid hazards, 12 - Chemical hazards, 13 Phisical requirements, 14 - Components (eccetto 8.4, 8.5)	IEC 62109-1:2010 EN 62109-1:2010		

Sicurezza dei convertitori di potenza utilizzati negli impianti Fotovoltaici. Parte 2: Prescrizioni particolari per gli inverter

Denominazione della prova / Campi di prova	*Metodo di prova*	*Tecnica di prova*	*O&I*
4 General testing requirements, 5 -Marking and documentation, 6 - Environmental requirements and conditions, 7 -Protection against electric shock and energy hazards, 8 - Protection against mechanical hazards, 9 Protection against fire hazards, 10 - Protection against sonic pressure hazards, 11 - Protection against liquid hazards, 12 - Chemical hazards, 13 Phisical requirements, 14 - Components - Tutto tranne 8.4, 8.5	IEC 62109-2:2011 EN 62109-2:2011		

Legenda

ETSI = European Telecommunications Standards Institute
CISPR = Comité international spécial des perturbations radioélectriques
ABNT NBR = Associação Brasileira De Normas Técnicas
ANSI = American National Standards Institute
AS = Australian Standards
BDEW = Bundesverband der Energie- und Wasserwirtschaft (German Association of Energy and Water Industries)
DIN = Deutsches Institut für Normung
ENA = Energy Network Association
FCC = Federal Communications Commission
FGW = Fördergesellschaft Windenergie (Society for the Promotion of wind energy and other renewable energy)
IEEE = Institute of Electrical and Electronics Engineers
NRS = Specifications for the Electricity Supply Industry in collaboration with the South African Bureau of Standards (SABS)
ÖVE = Österreichischer Verband für Elektrotechnik (Austrian Standards Institute)
UNE = AENOR - Asociación Española de Normalización y Certificación
VDE = Verband der Elektrotechnik Elektronik Informationstechnik

Il QRcode consente di accedere direttamente al sito www.accredia.it per verificare la validità dell'elenco prove e del certificato di accreditamento rilasciato al laboratorio.

L'eventuale simbolo "X" riportato nella colonna "O&I" indica che il laboratorio è accreditato anche per fornire opinioni e interpretazioni basate sui risultati delle specifiche prove contrassegnate.

L'eventuale simbolo (*) indica che è attiva una sospensione dell'accreditamento per la specifica attività riportata a fianco