

Kiwa CERMET Italia S.p.A. con socio unico Via Fabio Filzi 68 20032 Cormano MI	Numero di accreditamento: 0001 L Sede C	
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ELENCO PROVE ACCREDITATE - CATEGORIA: 0

Crystalline silicon terrestrial photovoltaic (PV) modules

Denominazione della prova / Campi di prova	Metodo di prova	Tecnica di prova	O&I
10.1 Ispezione visiva/Visual inspection	IEC 61215:2005 § 10.1 CEI EN 61215:2006 § 10.1		
10.10 Prova di preconditionamento UV/ UV preconditioning	IEC 61215:2005 § 10.10 CEI EN 61215:2006 § 10.10		
10.11 Prova dei cicli termici / Thermal cycling test	IEC 61215:2005 § 10.11 CEI EN 61215:2006 § 10.11		
10.12 Prova di umidità e congelamento / Humidity freeze test	IEC 61215:2005 § 10.12 CEI EN 61215:2006 § 10.12		
10.13 Prova al caldo umido / Damp heat test	IEC 61215:2005 § 10.13 CEI EN 61215:2006 § 10.13		
10.14 Prova di robustezza delle terminazioni / Robustness of termination test	IEC 61215:2005 § 10.14 CEI EN 61215:2006 § 10.14		
10.15 Prova di dispersione di corrente in ambiente umido / Wet leakage current test	IEC 61215:2005 § 10.15 CEI EN 61215:2006 § 10.15		
10.16 Prova di carico meccanico / Mechanical load test	IEC 61215:2005 § 10.16 CEI EN 61215:2006 § 10.16		
10.17 Prova di grandine / Hail test (hail size=25mm, weight=7.53 g, speed=23m/s; hail size= 45mm, weight = 43.9 g, speed= 30.7m/s Hail size=55mm, weight=80.2 g, speed=33,9m/s;)	IEC 61215:2005 § 10.17 CEI EN 61215:2006 § 10.17		
10.18 Prova termica dei diodi di bypass / Bypass diode thermal test	IEC 61215:2005 § 10.18 CEI EN 61215:2006 § 10.18		
10.2 Potenza massima / Maximum power determination	IEC 61215:2005 § 10.2 CEI EN 61215:2006 § 10.2		
10.3 Prova di isolamento / Insulation test	IEC 61215:2005 § 10.3 CEI EN 61215:2006 § 10.3		
10.4 Misura dei coefficienti di temperatura / Measurement of temperature coefficients	IEC 61215:2005 § 10.4 CEI EN 61215:2006 § 10.4		
10.5 Misura della temperatura operativa nominale della cella (NOCT) / Measurement of Nominal Operating Cell Temperature (NOCT)	IEC 61215:2005 § 10.5 CEI EN 61215:2006 § 10.5		
10.6 Prestazioni al STC e alla NOCT / Performance at STC and NOCT	IEC 61215:2005 § 10.6 CEI EN 61215:2006 § 10.6		
10.7 Prestazioni a basso irraggiamento / Performance at low irradiance	IEC 61215:2005 § 10.7 CEI EN 61215:2006 § 10.7		
10.8 Prova di esposizione in esterno / Outdoor exposure test	IEC 61215:2005 § 10.8 CEI EN 61215:2006 § 10.8		
10.9 Prova di resistenza ai surriscaldamenti localizzati / Hot-spot endurance test	IEC 61215:2005 § 10.9 CEI EN 61215:2006 § 10.9		
4.1 Visual inspection (MQT 01) / 11.1 Visual inspection (MQT 01)	IEC 61215-2:2016 § 4.1 + IEC 61215-1-1:2016 § 11.1		

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4.10 UV preconditioning test (MQT 10)/11.10 UV preconditioning test (MQT 10)	IEC 61215-2:2016 § 4.10 + IEC 61215-1-1:2016 § 11.10
4.11 Thermal cycling test (MQT 11)/11.11 Thermal cycling test (MQT 11)	IEC 61215-2:2016 § 4.11 + IEC 61215-1-1:2016 § 11.11
4.12 Humidity-freeze test (MQT 12)/11.12 Humidity-freeze test (MQT 12)	IEC 61215-2:2016 § 4.12 + IEC 61215-1-1:2016 § 11.12
4.13 Damp heat test (MQT 13)/11.13 Damp heat test (MQT 13)	IEC 61215-2:2016 § 4.13 + IEC 61215-1-1:2016 § 11.13
4.14 Robustness of terminations (MQT 14)/11.14 Robustness of terminations test (MQT 14) (Esclusioni/exclusions: MQT 14.2 Test of cord anchorage)	IEC 61215-2:2016 § 4.14 + IEC 61215-1-1:2016 § 11.14
4.15 Wet leakage current test (MQT 15)/11.15 Wet leakage current test (MQT 15)	IEC 61215-2:2016 § 4.15 + IEC 61215-1-1:2016 § 11.15
4.16 Static mechanical load test (MQT 16)/11.16 Static mechanical load test (MQT 16)	IEC 61215-2:2016 § 4.16 + IEC 61215-1-1:2016 § 11.16
4.17 Hail test (MQT 17)/11.17 Hail test (MQT 17)	IEC 61215-2:2016 § 4.17 + IEC 61215-1-1:2016 § 11.17
4.18 Bypass diode testing (MQT 18)/11.18 Bypass diode thermal test (MQT 18)	IEC 61215-2:2016 § 4.18 + IEC 61215-1-1:2016 § 11.18
4.19 Stabilization (MQT 19)/11.19 Stabilization (MQT 19)	IEC 61215-2:2016 § 4.19 + IEC 61215-1-1:2016 § 11.19
4.2 Maximum power determination (MQT 02) /11.2 Maximum power determination (MQT 02)	IEC 61215-2:2016 § 4.2 + IEC 61215-1-1:2016 § 11.2
4.3 Insulation test (MQT 03)/11.3 Insulation test (MQT 03)	IEC 61215-2:2016 § 4.3 + IEC 61215-1-1:2016 § 11.3
4.4 Measurement of temperature coefficients (MQT 04)/11.4 Measurement of temperature coefficients (MQT 04)	IEC 61215-2:2016 § 4.4 + IEC 61215-1-1:2016 § 11.4
4.5 Measurement of nominal module operating temperature (NMOT) (MQT 05)/11.5 Measurement of nominal module operating temperature (NMOT) (MQT 05)	IEC 61215-2:2016 § 4.5 + IEC 61215-1-1:2016 § 11.5
4.6 Performance at STC and NMOT (MQT 06)/11.6 Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	IEC 61215-2:2016 § 4.6 + IEC 61215-1-1:2016 § 11.6
4.7 Performance at low irradiance (MQT 07)/11.7 Performance at low irradiance (MQT 07)	IEC 61215-2:2016 § 4.7 + IEC 61215-1-1:2016 § 11.7
4.8 Outdoor exposure test (MQT 08)/11.8 Outdoor exposure test (MQT 08)	IEC 61215-2:2016 § 4.8 + IEC 61215-1-1:2016 § 11.8
4.9 Hot-spot endurance test (MQT 09)/11.9 Hot-spot endurance test (MQT 09)	IEC 61215-2:2016 § 4.9 + IEC 61215-1-1:2016 § 11.9

Photovoltaic (PV) modules

<i>Denominazione della prova / Campi di prova</i>	<i>Metodo di prova</i>	<i>Tecnica di prova</i>	<i>O&I</i>
10.1 Ispezione visiva MST 1 / Visual inspection MST 1	IEC 61730-2:2012 § 10.1 CEI EN 61730-2:2009/A1:2013 § 10.1		
10.10 Cut susceptibility test MST 12	IEC 61730-2:2016 § 10.10		
10.10 Prova di rottura del modulo MST 32 / Module breakage test MST 32	IEC 61730-2:2012 § 10.10 CEI EN 61730-2:2009/A1:2013 § 10.10		
10.11 Continuity test of equipotential bonding MST 13	IEC 61730-2:2016 § 10.11		

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10.12 Impulse voltage test MST 14	IEC 61730-2:2016 § 10.12
10.13 Insulation test MST 16	IEC 61730-2:2016 § 10.13
10.14 Wet leakage current test MST 17	IEC 61730-2:2016 § 10.14
10.15 Temperature test MST 21	IEC 61730-2:2016 § 10.15
10.16 Hot-spot endurance test MST 22	IEC 61730-2:2016 § 10.16
10.19 Bypass diode thermal test MST 25	IEC 61730-2:2016 § 10.19
10.2 Prova di accessibilità MST 11/ Accessibility test MST 11	IEC 61730-2:2012 § 10.2 CEI EN 61730-2:2009/A1:2013 § 10.2
10.2 Visual inspection MST 01	IEC 61730-2:2016 § 10.2
10.20 Reverse current overload test MST 26	IEC 61730-2:2016 § 10.20
10.21 Module breakage test MST 32	IEC 61730-2:2016 § 10.21
10.22 Screw connections test MST 33	IEC 61730-2:2016 § 10.22
10.23 Static mechanical load test MST 34	IEC 61730-2:2016 § 10.23
10.26 Materials creep test MST 37	IEC 61730-2:2016 § 10.26
10.27 Robustness of terminations test MST 42	IEC 61730-2:2016 § 10.27
10.28 Thermal cycling test MST 51	IEC 61730-2:2016 § 10.28
10.29 Humidity freeze test MST 52	IEC 61730-2:2016 § 10.29
10.3 Performance at STC MST 02	IEC 61730-2:2016 § 10.3
10.3 Prova di suscettibilità al taglio MST 12 / Cut susceptibility test MST 12	IEC 61730-2:2012 § 10.3 CEI EN 61730-2:2009/A1:2013 § 10.3
10.30 Damp heat test MST 53	IEC 61730-2:2016 § 10.30
10.31 UV test MST 54	IEC 61730-2:2016 § 10.31
10.32 Cold conditioning MST 55	IEC 61730-2:2016 § 10.32
10.33 Dry heat conditioning MST 56	IEC 61730-2:2016 § 10.33
10.4 Maximum power determination MST 03	IEC 61730-2:2016 § 10.4
10.4 Prova di continuità a terra MST13 / Ground continuity test MST 13	IEC 61730-2:2012 § 10.4 CEI EN 61730-2:2009/A1:2013 § 10.4
10.5 Impulse voltage test MST14	IEC 61730-2:2012 § 10.5 CEI EN 61730-2:2009/A1:2013 § 10.5
10.5 Insulation thickness test MST 04	IEC 61730-2:2016 § 10.5
10.6 Durability of markings MST 05	IEC 61730-2:2016 § 10.6
10.6 Prova di resistenza dielettrica MST 16 / Dielectric withstand test MST 16	IEC 61730-2:2012 § 10.6 CEI EN 61730-2:2009/A1:2013 § 10.6
10.7 Prova di temperatura MST 21 / Temperature test MST 21	IEC 61730-2:2012 § 10.7 CEI EN 61730-2:2009/A1:2013 § 10.7
10.7 Sharp edge test MST 06	IEC 61730-2:2016 § 10.7
10.8 Bypass diode functionality test MST 07	IEC 61730-2:2016 § 10.8

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10.9 Accessibility test MST 11	IEC 61730-2:2016 § 10.9
10.9 Prova di corrente inversa MST 26/ Reverse current overload test MST 26	IEC 61730-2:2012 § 10.9 CEI EN 61730-2:2009/A1:2013 § 10.9
11.1 Partial Discharge test MST 15	IEC 61730-2:2012 § 11.1 CEI EN 61730-2:2009/A1:2013 § 11.1
11.2 Conduit bending test MST 33	IEC 61730-2:2012 § 11.2 CEI EN 61730-2:2009/A1:2013 § 11.2
11.3 Terminal box knockout tests MST 44	IEC 61730-2:2012 § 11.3 CEI EN 61730-2:2009/A1:2013 § 11.3
Photovoltaic (PV) module safety qualification (eccetto: Fire Test MST23, Ignitability Test MST24, Peel Test MST35, Lap Shear Strength Test MST36)	IEC 61730-1:2016
Photovoltaic (PV) module safety qualification (eccetto: Fire Test MST23, prove in accordo a IEC 60695-1-1, UL 746C, IEC 60112, ASTM D2303, ASTM E162-1990, IEC 60529)	IEC 61730-1:2013 CEI EN 61370-1:2008/A1:2012/A2:2013/A11:2015
Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction	EN 61730-1/A11:2014
Photovoltaic (PV) modules – Test methods for the detection of potential induce degradation – Part 1: Crystalline silicon	IEC TS 62804-1:2015
Prova di Elettroluminescenza	PTG60 rev. 1 2013
Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1: Test requirements	IEC 61215-1:2016

Photovoltaic devices

<i>Denominazione della prova / Campi di prova</i>	<i>Metodo di prova</i>	<i>Tecnica di prova</i>	<i>O&I</i>
Measurement of current-voltage characteristics of bifacial photovoltaic (PV) devices	IEC TS 60904-1-2:2019		

Solar thermal collectors

<i>Denominazione della prova / Campi di prova</i>	<i>Metodo di prova</i>	<i>Tecnica di prova</i>	<i>O&I</i>
§ 10 - Exposure and half-exposure test	ISO 9806:2017 § 10.1-10.2-10.3-10.6-10.7		
§ 11 - External thermal shock	ISO 9806:2017 § 11.1-11.2-11.3-11.4		
§ 12 - Internal thermal shock test (Liquid heating collectors only)	ISO 9806:2017 § 12.1-12.2-12.3-12.4		
§ 13 - Rain penetration test	ISO 9806:2017 § 13.1-13.2-13.3-13.4		
§ 14 -Freeze resistance test	ISO 9806:2017 § 14.1-14.2-14.3		
§ 15 - Mechanical load test with positive or negative pressure	ISO 9806:2017 § 15.1-15.2-15.3-15.4		
§ 16 - Impact resistance test	ISO 9806:2017 § 16.1-16.2-16.3-16.5-16.6		

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§ 17 - Final inspection	ISO 9806:2017 § 17.1-17.2-17.3
§ 19 - Thermal performance testing	ISO 9806:2017 § 19.1-19.2.
§ 25 - Determination of the effective thermal capacity and the time constant	ISO 9806:2017 § 25.1-25.2-25.4-25.5
§ 26 - Determination of the incident angle modifier (IAM)	ISO 9806:2017 § 26.1-26.2-26.3-26.4-26.5
§ 27 - Determination of the pressure drop	ISO 9806:2017 § 27.1-27.2-27.4
§ 6 - Internal pressure tests for fluid channels	ISO 9806:2017 § 6.1-6.2-6.4
§ 9 - Standard stagnation temperature	ISO 9806:2017 § 9.1-9.2-9.3-9.4-9.5
Thermal solar systems and components - Solar collectors - Part 1: General requirements	EN 12975-1:2006+A1:2010

Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of cadmium telluride (CdTe) photovoltaic (PV) modules

<i>Denominazione della prova / Campi di prova</i>	<i>Metodo di prova</i>	<i>Tecnica di prova</i>	<i>O&I</i>
4.1 Visual inspection (MQT 01) / 11.1 Visual inspection (MQT 01)	IEC 61215-2:2016 § 4.1 + IEC 61215-1-2:2016 § 11.1		
4.10 UV preconditioning test (MQT 10)/11.10 UV preconditioning test (MQT 10)	IEC 61215-2:2016 § 4.10 + IEC 61215-1-2:2016 § 11.10		
4.11 Thermal cycling test (MQT 11)/11.11 Thermal cycling test (MQT 11)	IEC 61215-2:2016 § 4.11 + IEC 61215-1-2:2016 § 11.11		
4.12 Humidity-freeze test (MQT 12)/11.12 Humidity-freeze test (MQT 12)	IEC 61215-2:2016 § 4.12 + IEC 61215-1-2:2016 § 11.12		
4.13 Damp heat test (MQT 13)/11.13 Damp heat test (MQT 13)	IEC 61215-2:2016 § 4.13 + IEC 61215-1-2:2016 § 11.13		
4.14 Robustness of terminations (MQT 14)/11.14 Robustness of terminations test (MQT 14) (Esclusioni/exclusions: MQT 14.2 Test of cord anchorage)	IEC 61215-2:2016 § 4.14 + IEC 61215-1-2:2016 § 11.14		
4.15 Wet leakage current test (MQT 15)/11.15 Wet leakage current test (MQT 15)	IEC 61215-2:2016 § 4.15 + IEC 61215-1-2:2016 § 11.15		
4.16 Static mechanical load test (MQT 16)/11.16 Static mechanical load test (MQT 16)	IEC 61215-2:2016 § 4.16 + IEC 61215-1-2:2016 § 11.16		
4.17 Hail test (MQT 17)/11.17 Hail test (MQT 17)	IEC 61215-2:2016 § 4.17 + IEC 61215-1-2:2016 § 11.17		
4.18 Bypass diode testing (MQT 18)/11.18 Bypass diode thermal test (MQT 18)	IEC 61215-2:2016 § 4.18 + IEC 61215-1-2:2016 § 11.18		
4.19 Stabilization (MQT 19)/11.19 Stabilization (MQT 19)	IEC 61215-2:2016 § 4.19 + IEC 61215-1-2:2016 § 11.19		
4.2 Maximum power determination (MQT 02) /11.2 Maximum power determination (MQT 02)	IEC 61215-2:2016 § 4.2 + IEC 61215-1-2:2016 § 11.2		
4.3 Insulation test (MQT 03)/11.3 Insulation test (MQT 03)	IEC 61215-2:2016 § 4.3 + IEC 61215-1-2:2016 § 11.3		
4.4 Measurement of temperature coefficients (MQT 04)/11.4 Measurement of temperature coefficients (MQT 04)	IEC 61215-2:2016 § 4.4 + IEC 61215-1-2:2016 § 11.4		

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4.5 Measurement of nominal module operating temperature (NMOT) (MQT 05)/11.5 Measurement of nominal module operating temperature (NMOT) (MQT 05)	IEC 61215-2:2016 § 4.5 + IEC 61215-1-2:2016 § 11.5
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4.6 Performance at STC and NMOT (MQT 06)/11.6 Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	IEC 61215-2:2016 § 4.6 + IEC 61215-1-2:2016 § 11.6
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4.7 Performance at low irradiance (MQT 07)/11.7 Performance at low irradiance (MQT 07)	IEC 61215-2:2016 § 4.7 + IEC 61215-1-2:2016 § 11.7
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4.8 Outdoor exposure test (MQT 08)/11.8 Outdoor exposure test (MQT 08)	IEC 61215-2:2016 § 4.8 + IEC 61215-1-2:2016 § 11.8
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4.9 Hot-spot endurance test (MQT 09)/11.9 Hot-spot endurance test (MQT 09)	IEC 61215-2:2016 § 4.9 + IEC 61215-1-2:2016 § 11.9
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Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules

<i>Denominazione della prova / Campi di prova</i>	<i>Metodo di prova</i>	<i>Tecnica di prova</i>	<i>O&I</i>
4.1 Visual inspection (MQT 01) / 11.1 Visual inspection (MQT 01)	IEC 61215-2:2016 § 4.1 + IEC 61215-1-3:2016 § 11.1		
4.10 UV preconditioning test (MQT 10)/11.10 UV preconditioning test (MQT 10)	IEC 61215-2:2016 § 4.10 + IEC 61215-1-3:2016 § 11.10		
4.11 Thermal cycling test (MQT 11)/11.11 Thermal cycling test (MQT 11)	IEC 61215-2:2016 § 4.11 + IEC 61215-1-3:2016 § 11.11		
4.12 Humidity-freeze test (MQT 12)/11.12 Humidity-freeze test (MQT 12)	IEC 61215-2:2016 § 4.12 + IEC 61215-1-3:2016 § 11.12		
4.13 Damp heat test (MQT 13)/11.13 Damp heat test (MQT 13)	IEC 61215-2:2016 § 4.13 + IEC 61215-1-3:2016 § 11.13		
4.14 Robustness of terminations (MQT 14)/11.14 Robustness of terminations test (MQT 14) (Esclusioni/exclusions: MQT 14.2 Test of cord anchorage)	IEC 61215-2:2016 § 4.14 + IEC 61215-1-3:2016 § 11.14		
4.15 Wet leakage current test (MQT 15)/11.15 Wet leakage current test (MQT 15)	IEC 61215-2:2016 § 4.15 + IEC 61215-1-3:2016 § 11.15		
4.16 Static mechanical load test (MQT 16)/11.16 Static mechanical load test (MQT 16)	IEC 61215-2:2016 § 4.16 + IEC 61215-1-3:2016 § 11.16		
4.17 Hail test (MQT 17)/11.17 Hail test (MQT 17)	IEC 61215-2:2016 § 4.17 + IEC 61215-1-3:2016 § 11.17		
4.18 Bypass diode testing (MQT 18)/11.18 Bypass diode thermal test (MQT 18)	IEC 61215-2:2016 § 4.18 + IEC 61215-1-3:2016 § 11.18		
4.19 Stabilization (MQT 19)/11.19 Stabilization (MQT 19)	IEC 61215-2:2016 § 4.19 + IEC 61215-1-3:2016 § 11.19		
4.2 Maximum power determination (MQT 02) /11.2 Maximum power determination (MQT 02)	IEC 61215-2:2016 § 4.2 + IEC 61215-1-3:2016 § 11.2		
4.3 Insulation test (MQT 03)/11.3 Insulation test (MQT 03)	IEC 61215-2:2016 § 4.3 + IEC 61215-1-3:2016 § 11.3		
4.4 Measurement of temperature coefficients (MQT 04)/11.4 Measurement of temperature coefficients (MQT 04)	IEC 61215-2:2016 § 4.4 + IEC 61215-1-3:2016 § 11.4		
4.5 Measurement of nominal module operating temperature (NMOT) (MQT 05)/11.5 Measurement of nominal module operating temperature (NMOT) (MQT 05)	IEC 61215-2:2016 § 4.5 + IEC 61215-1-3:2016 § 11.5		
4.6 Performance at STC and NMOT (MQT 06)/11.6 Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	IEC 61215-2:2016 § 4.6 + IEC 61215-1-3:2016 § 11.6		

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4.7 Performance at low irradiance (MQT 07)/11.7 Performance at low irradiance (MQT 07) IEC 61215-2:2016 § 4.7 + IEC 61215-1-3:2016 § 11.7

4.8 Outdoor exposure test (MQT 08)/11.8 Outdoor exposure test (MQT 08) IEC 61215-2:2016 § 4.8 + IEC 61215-1-3:2016 § 11.8

4.9 Hot-spot endurance test (MQT 09)/11.9 Hot-spot endurance test (MQT 09) IEC 61215-2:2016 § 4.9 + IEC 61215-1-3:2016 § 11.9

Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)₂ based photovoltaic (PV) modules

<i>Denominazione della prova / Campi di prova</i>	<i>Metodo di prova</i>	<i>Tecnica di prova</i>	<i>O&I</i>
4.1 Visual inspection (MQT 01) / 11.1 Visual inspection (MQT 01)	IEC 61215-2:2016 § 4.1 + IEC 61215-1-4:2016 § 11.1		
4.10 UV preconditioning test (MQT 10)/11.10 UV preconditioning test (MQT 10)	IEC 61215-2:2016 § 4.10 + IEC 61215-1-4:2016 § 11.10		
4.11 Thermal cycling test (MQT 11)/11.11 Thermal cycling test (MQT 11)	IEC 61215-2:2016 § 4.11 + IEC 61215-1-4:2016 § 11.11		
4.12 Humidity-freeze test (MQT 12)/11.12 Humidity-freeze test (MQT 12)	IEC 61215-2:2016 § 4.12 + IEC 61215-1-4:2016 § 11.12		
4.13 Damp heat test (MQT 13)/11.13 Damp heat test (MQT 13)	IEC 61215-2:2016 § 4.13 + IEC 61215-1-4:2016 § 11.13		
4.14 Robustness of terminations (MQT 14)/11.14 Robustness of terminations test (MQT 14) (Esclusioni/exclusions: MQT 14.2 Test of cord anchorage)	IEC 61215-2:2016 § 4.14 + IEC 61215-1-4:2016 § 11.14		
4.15 Wet leakage current test (MQT 15)/11.15 Wet leakage current test (MQT 15)	IEC 61215-2:2016 § 4.15 + IEC 61215-1-4:2016 § 11.15		
4.16 Static mechanical load test (MQT 16)/11.16 Static mechanical load test (MQT 16)	IEC 61215-2:2016 § 4.16 + IEC 61215-1-4:2016 § 11.16		
4.17 Hail test (MQT 17)/11.17 Hail test (MQT 17)	IEC 61215-2:2016 § 4.17 + IEC 61215-1-4:2016 § 11.17		
4.18 Bypass diode testing (MQT 18)/11.18 Bypass diode thermal test (MQT 18)	IEC 61215-2:2016 § 4.18 + IEC 61215-1-4:2016 § 11.18		
4.19 Stabilization (MQT 19)/11.19 Stabilization (MQT 19)	IEC 61215-2:2016 § 4.19 + IEC 61215-1-4:2016 § 11.19		
4.2 Maximum power determination (MQT 02) /11.2 Maximum power determination (MQT 02)	IEC 61215-2:2016 § 4.2 + IEC 61215-1-4:2016 § 11.2		
4.3 Insulation test (MQT 03)/11.3 Insulation test (MQT 03)	IEC 61215-2:2016 § 4.3 + IEC 61215-1-4:2016 § 11.3		
4.4 Measurement of temperature coefficients (MQT 04)/11.4 Measurement of temperature coefficients (MQT 04)	IEC 61215-2:2016 § 4.4 + IEC 61215-1-4:2016 § 11.4		
4.5 Measurement of nominal module operating temperature (NMOT) (MQT 05)/11.5 Measurement of nominal module operating temperature (NMOT) (MQT 05)	IEC 61215-2:2016 § 4.5 + IEC 61215-1-4:2016 § 11.5		
4.6 Performance at STC and NMOT (MQT 06)/11.6 Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	IEC 61215-2:2016 § 4.6 + IEC 61215-1-4:2016 § 11.6		
4.7 Performance at low irradiance (MQT 07)/11.7 Performance at low irradiance (MQT 07)	IEC 61215-2:2016 § 4.7 + IEC 61215-1-4:2016 § 11.7		
4.8 Outdoor exposure test (MQT 08)/11.8 Outdoor exposure test (MQT 08)	IEC 61215-2:2016 § 4.8 + IEC 61215-1-4:2016 § 11.8		

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4.9 Hot-spot endurance test (MQT 09)/11.9 Hot-spot endurance test (MQT 09) IEC 61215-2:2016 § 4.9 + IEC 61215-1-4:2016 § 11.9

Thin-film terrestrial photovoltaic (PV) modules

<i>Denominazione della prova / Campi di prova</i>	<i>Metodo di prova</i>	<i>Tecnica di prova</i>	<i>O&I</i>
10.1 Ispezione visiva / Visual inspection	IEC 61646:2008 § 10.1 CEI EN 61646:2012 § 10.1		
10.10 Prova di preconditionamento UV / UV preconditioning	IEC 61646:2008 § 10.10 CEI EN 61646:2012 § 10.10		
10.11 Prova dei cicli termici / Thermal cycling test	IEC 61646:2008 § 10.11 CEI EN 61646:2012 § 10.11		
10.12 Prova di umidità e congelamento / Humidity freeze test	IEC 61646:2008 § 10.12 CEI EN 61646:2012 § 10.12		
10.13 Prova al caldo umido / Damp heat test	IEC 61646:2008 § 10.13 CEI EN 61646:2012 § 10.13		
10.14 Prova di robustezza delle terminazioni / Robustness of termination test	IEC 61646:2008 § 10.14 CEI EN 61646:2012 § 10.14		
10.15 Prova di dispersione di corrente in ambiente umido / Wet leakage current test	IEC 61646:2008 § 10.15 CEI EN 61646:2012 § 10.15		
10.16 Prova di carico meccanico / Mechanical load test	IEC 61646:2008 § 10.16 CEI EN 61646:2012 § 10.16		
10.17 Prova di grandine / Hail test (hail size=25mm, weight=7.53 g, speed=23m/s; hail size= 45mm, weight = 43.9 g, speed= 30.7m/s Hail size=55mm, weight=80.2 g, speed=33,9m/s;)	IEC 61646:2008 § 10.17 CEI EN 61646:2012 § 10.17		
10.18 Prova termica dei diodi di bypass / Bypass diode thermal test	IEC 61646:2008 § 10.18 CEI EN 61646:2012 § 10.18		
10.19 Esposizione prolungata al sole / Light - soaking	IEC 61646:2008 § 10.19 CEI EN 61646:2012 § 10.19		
10.2 Potenza massima / Maximum power determination	IEC 61646:2008 § 10.2 CEI EN 61646:2012 § 10.2		
10.3 Prova di isolamento/Insulation test	IEC 61646:2008 § 10.3 CEI EN 61646:2012 § 10.3		
10.4 Misura dei coefficienti di temperatura / Measurement of temperature coefficients	IEC 61646:2008 § 10.4 CEI EN 61646:2012 § 10.4		
10.5 Misura della temperatura nominale di lavoro nelle celle (NOCT) / Measurement of the cells' temperature coefficients (NOCT)	IEC 61646:2008 § 10.5 CEI EN 61646:2012 § 10.5		
10.6 Prestazioni alle condizioni standard e non standard di test (STC and NOCT) / Performance at the standard and not standard test conditions (STC and NOCT)	IEC 61646:2008 § 10.6 CEI EN 61646:2012 § 10.6		
10.7 Prestazioni a basso irraggiamento / Performance at low irradiance	IEC 61646:2008 § 10.7 CEI EN 61646:2012 § 10.7		
10.8 Prova di esposizione in esterno / Outdoor exposure test	IEC 61646:2008 § 10.8 CEI EN 61646:2012 § 10.8		
10.9 Prova di resistenza ai surriscaldamenti localizzati / Hot-spot endurance test	IEC 61646:2008 § 10.9 CEI EN 61646:2012 § 10.9		

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Legenda

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

