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ILNAS-EN IEC 61215-2:2021

Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures

Terrestrische Photovoltaik(PV)-Module -
Bauarteignung und Bauartzulassung -
Teil 2: Prüfverfahren

Modules photovoltaïques (PV) pour
applications terrestres - Qualification de
la conception et homologation - Partie 2:
Procédures d'essai

04/2021



National Foreword

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ILNAS-EN IEC 61215-2:2021

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Supersedes EN 61215-2:2017 and all of its amendments
and corrigenda (if any)

English Version

**Terrestrial photovoltaic (PV) modules - Design qualification and
type approval - Part 2: Test procedures
(IEC 61215-2:2021)**

Modules photovoltaïques (PV) pour applications terrestres -
Qualification de la conception et homologation - Partie 2:
Procédures d'essai
(IEC 61215-2:2021)

Terrestrische Photovoltaik(PV)-Module - Bauartegnung und
Bauartzulassung - Teil 2: Prüfverfahren
(IEC 61215-2:2021)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 82/1829/FDIS, future edition 2 of IEC 61215-2, prepared by IEC/TC 82 "Solar photovoltaic energy systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61215-2:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2021-12-31 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-03-31 document have to be withdrawn

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 62506	NOTE	Harmonized as EN 62506
IEC 62938:2020	NOTE	Harmonized as EN IEC 62938:2020 (not modified)
IEC 62941	NOTE	Harmonized as EN IEC 62941

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-1	-	Environmental testing - Part 1: General and guidance	EN 60068-1	-
IEC 60068-2-21	-	Environmental testing - Part 2-21: Tests - Test U: Robustness of terminations and integral mounting devices	EN 60068-2-21	-
IEC 60068-2-78	2012	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state	EN 60068-2-78	2013
IEC 60891	-	Photovoltaic devices - Procedures for temperature and irradiance corrections to measured I-V characteristics	EN 60891	-
IEC 60904-1	-	Photovoltaic devices - Part 1: Measurement of photovoltaic current-voltage characteristics	EN IEC 60904-1	-
IEC 60904-1-1	-	Photovoltaic devices - Part 1-1: Measurement of current-voltage characteristics of multi-junction photovoltaic (PV) devices	EN 60904-1-1	-
IEC/TS 60904-1-2	-	Photovoltaic devices - Part 1-2: Measurement of current-voltage characteristics of bifacial photovoltaic (PV) devices	-	-
IEC 60904-2	-	Photovoltaic devices - Part 2: Requirements for photovoltaic reference devices	EN 60904-2	-
IEC 60904-3	-	Photovoltaic devices - Part 3: Measurement principles for terrestrial photovoltaic (PV) solar devices with reference spectral irradiance data	EN IEC 60904-3	-
IEC 60904-7	-	Photovoltaic devices - Part 7: Computation of the spectral mismatch correction for measurements of photovoltaic devices	EN IEC 60904-7	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60904-8	-	Photovoltaic devices - Part 8: Measurement of spectral responsivity of a photovoltaic (PV) device	EN 60904-8	-
IEC 60904-9	2020	Photovoltaic devices - Part 9: Classification of solar simulator characteristics	EN IEC 60904-9	2020
IEC 60904-10	-	Photovoltaic devices - Part 10: Methods of linear dependence and linearity measurements	EN IEC 60904-10	-
IEC/TR 60904-14	-	Photovoltaic devices - Part 14: Guidelines for production line measurements of single-junction PV module maximum power output and reporting at standard test conditions	-	-
IEC 61140	-	Protection against electric shock - Common aspects for installation and equipment	EN 61140	-
IEC 61215-1	2021	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1: Test requirements	EN IEC 61215-1	2021
IEC 61215-1-1	-	Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules	EN IEC 61215-1-1	-
IEC 61730-1	2016	Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction	EN IEC 61730-1	2018
-	-		/AC:2018-06	
IEC 61730-2	-	Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing	EN IEC 61730-2	-
IEC/TS 61836	-	Solar photovoltaic energy systems - Terms, definitions and symbols	-	-
IEC/TS 62782	-	Photovoltaic (PV) modules - Cyclic (dynamic) mechanical load testing	-	-
IEC 62790	-	Junction boxes for photovoltaic modules - Safety requirements and tests	EN 62790	-
IEC/TS 62804-1	2015	Photovoltaic (PV) modules - Test methods for the detection of potential-induced degradation - Part 1: Crystalline silicon	-	-
IEC TS 63163	— ¹	Terrestrial photovoltaic (PV) modules for consumer products – Design qualification and type approval		

¹ Under preparation. Stage at the time of publication: ADTS.



INTERNATIONAL STANDARD

NORME INTERNATIONALE



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