

Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN IEC 61215-1-2:2021 sisaldab Euroopa standardi EN IEC 61215-1-2:2021 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 61215-1-2:2021 consists of the English text of the European standard EN IEC 61215-1-2:2021.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
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Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules (IEC 61215-1-2:2021)

Modules photovoltaïques (PV) pour applications terrestres - Qualification de la conception et homologation - Partie 1-2: Exigences particulières d'essai des modules photovoltaïques (PV) au tellurure de cadmium (CdTe) à couches minces (IEC 61215-1-2:2021)

Terrestrische Photovoltaik(PV)-Module - Bauarteignung und Bauartzulassung - Teil 1-2: Besondere Anforderungen an die Prüfung von Photovoltaik(PV)-Dünnschichtmodulen aus Cadmiumtellurid (CdTe) (IEC 61215-1-2:2021)

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

European foreword

The text of document 82/1825/FDIS, future edition 2 of IEC 61215-1-2, prepared by IEC/TC 82 "Solar photovoltaic energy systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61215-1-2:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-12-16
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-03-16

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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.

The normative references of EN IEC 61215-1:2021 and EN IEC 61215-2:2021 are applicable without modifications.

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Terrestrial photovoltaic (PV) modules – Design qualification and type approval –
Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe)
based photovoltaic (PV) modules**

**Modules photovoltaïques (PV) pour applications terrestres – Qualification de la
conception et homologation –
Partie 1-2: Exigences particulières d'essai des modules photovoltaïques (PV)
au tellure de cadmium (CdTe) à couches minces**



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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
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CONTENTS

FOREWORD	4
1 Scope	6
2 Normative references	6
3 Terms and definitions	7
4 Test samples	7
5 Marking and documentation	7
6 Testing	7
7 Pass criteria	7
8 Major visual defects	7
9 Report	7
10 Modifications	7
11 Test flow and procedures	7
11.1 Visual inspection (MQT 01)	7
11.2 Maximum power determination (MQT 02)	7
11.3 Insulation test (MQT 03)	8
11.4 Measurement of temperature coefficients (MQT 04)	8
11.5 Placeholder section, formerly NMOT	8
11.6 Performance at STC (MQT 06.1)	8
11.7 Performance at low irradiance (MQT 07)	8
11.8 Outdoor exposure test (MQT 08)	8
11.9 Hot-spot endurance test (MQT 09)	8
11.9.1 Purpose	8
11.9.2 Hot-spot effect	8
11.9.3 Classification of cell interconnection	8
11.9.4 Apparatus	8
11.9.5 Procedure	8
11.9.6 Final measurements	9
11.9.7 Requirements	9
11.10 UV preconditioning test (MQT 10)	9
11.11 Thermal cycling test (MQT 11)	9
11.12 Humidity-freeze test (MQT 12)	9
11.13 Damp heat test (MQT 13)	9
11.14 Robustness of terminations (MQT 14)	9
11.15 Wet leakage current test (MQT 15)	9
11.16 Static mechanical load test (MQT 16)	9
11.17 Hail test (MQT 17)	9
11.18 Bypass diode testing (MQT 18)	9
11.19 Stabilization (MQT 19)	9
11.19.1 Criterion definition for stabilization	9
11.19.2 Light induced stabilization procedures	10
11.19.3 Other stabilization procedures	10
11.19.4 Initial stabilization (MQT 19.1)	10
11.19.5 Final stabilization (MQT 19.2)	10
11.20 Cyclic (dynamic) mechanical load test (MQT 20)	11
11.21 Potential induced degradation test (MQT 21)	11

11.22 Bending test (MQT 22)..... 11

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**TERRESTRIAL PHOTOVOLTAIC (PV) MODULES –
DESIGN QUALIFICATION AND TYPE APPROVAL –****Part 1-2: Special requirements for testing of thin-film Cadmium
Telluride (CdTe) based photovoltaic (PV) modules**

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International Standard IEC 61215-1-2 has been prepared by IEC technical committee 82: Solar photovoltaic energy systems.

This second edition cancels and replaces the first edition of IEC 61215-1-2, issued in 2016, and constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) A cyclic (dynamic) mechanical load test (MQT 20) added.
- b) A test for detection of potential-induced degradation (MQT 21) added.
- c) A bending test (MQT 22) for flexible modules added.

Informative Annex A, of 61215-1:2021, explains the background and reasoning behind some of the more substantial changes that were made in the IEC 61215 series in progressing from edition 1 to edition 2.

The text of this standard is based on the following documents:

FDIS	Report on voting
82/1825/FDIS	82/1850/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

This standard is to be read in conjunction with IEC 61215-1:2021 and IEC 61215-2:2021.

A list of all parts in the IEC 61215 series, published under the general title *Terrestrial photovoltaic (PV) modules – Design qualification and type approval*, can be found on the IEC website.

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