



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 61215:2005**

ICS 27.160

**CRYSTALLINE SILICON TERRESTRIAL  
PHOTOVOLTAIC (PV) MODULES - DESIGN  
QUALIFICATION AND TYPE APPROVAL (IEC  
61215:2005)**

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EUROPEAN STANDARD

**EN 61215**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2005

ICS 27.160

Supersedes EN 61215:1995

English version

**Crystalline silicon terrestrial photovoltaic (PV) modules –  
Design qualification and type approval  
(IEC 61215:2005)**

Modules photovoltaïques (PV) au silicium  
cristallin pour application terrestre -  
Qualification de la conception  
et homologation  
(CEI 61215:2005)

Terrestrische kristalline Silizium-  
Photovoltaik-(PV)-Module –  
Bauartzeichnung und Bauartzulassung  
(IEC 61215:2005)

This European Standard was approved by CENELEC on 2005-05-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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**CENELEC**

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

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

## Foreword

The text of document 82/376/FDIS, future edition 2 of IEC 61215, prepared by IEC TC 82, Solar photovoltaic energy systems, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61215 on 2005-05-01.

This European Standard supersedes EN 61215:1995.

The following dates were fixed:

- |  |       |            |
|--|-------|------------|
| – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2006-02-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn   | (dow) | 2008-05-01 |

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61215:2005 was approved by CENELEC as a European Standard without any modification.

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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-1	1988	Environmental testing Part 1: General and guidance	EN 60068-1 <sup>1)</sup>	1994
IEC 60068-2-21	1999	Part 2-21: Tests - Test U: Robustness of terminations and integral mounting devices	EN 60068-2-21	1999
IEC 60068-2-78	2001	Part 2-78: Tests - Test Cab: Damp heat, steady state	EN 60068-2-78	2001
IEC 60410	1973	Sampling plans and procedures for inspection by attributes	-	-
IEC 60721-2-1	1982	Classification of environmental conditions Part 2: Environmental conditions appearing in nature - Temperature and humidity	HD 478.2.1 S1 <sup>2)</sup>	1989
IEC 60891	1987	Procedures for temperature and irradiance corrections to measured I-V characteristics of crystalline silicon photovoltaic devices		
+ A1	1992		EN 60891	1994
IEC 60904-1	1987	Photovoltaic devices Part 1: Measurement of photovoltaic current-voltage characteristics	EN 60904-1	1993
IEC 60904-2	1989	Part 2: Requirements for reference solar cells	EN 60904-2	1993
IEC 60904-3	1989	Part 3: Measurement principles for terrestrial photovoltaic (PV) solar devices with reference spectral irradiance data	EN 60904-3	1993
IEC 60904-6	1994	Part 6: Requirements for reference solar modules	EN 60904-6	1994

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<sup>1)</sup> EN 60068-1 includes corrigendum October 1988 + A1:1992 to IEC 60068-1.

<sup>2)</sup> HD 478.2.1 includes A1:1987 to IEC 60721-2-1.

EN 61215:2005

- 4 -

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60904-7	1998	Part 7: Computation of spectral mismatch error introduced in the testing of a photovoltaic device	EN 60904-7	1998
IEC 60904-9	1995	Part 9: Solar simulator performance requirements	-	-
IEC 60904-10	1998	Part 10: Methods of linearity measurement	EN 60904-10	1998
IEC 61853	- 3)	Performance testing and energy rating of terrestrial photovoltaic (PV) modules	-	-
ISO/IEC 17025	1999	General requirements for the competence of testing and calibration laboratories	EN ISO/IEC 17025	2000

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3) Under consideration.

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