



MALAYSIAN STANDARD

MS IEC 61215:2006
(CONFIRMED:2015)

**Crystalline silicon terrestrial photovoltaic
(PV) modules - design qualification and
type approval
(IEC 61215:2005, IDT)**

ICS: 27.160

Descriptors: photovoltaic modules, crystalline silicon, design qualification, type approval

NOTE. This MS has been reviewed by the responsible committee and confirmed that its contents are current

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Committee representation

The Electrotechnical-1 Industry Standards Committee (ISC E-1) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
Department of Standards Malaysia
Federation of Malaysian Manufacturers
Independent Power Producers
Jabatan Kerja Raya Malaysia
Malaysian Cable Manufacturers Association
Malaysian Electrical Appliances and Distributors Association
Ministry of Domestic Trade and Consumer Affairs
Ministry of International Trade and Industry
Persatuan Pengguna-Pengguna Standard Malaysia
Pusat Tenaga Malaysia
SIRIM QAS International Sdn Bhd (Electrotechnical Testing Section)
SIRIM QAS International Sdn Bhd (Product Certification and Inspection Section)
Suruhanjaya Komunikasi dan Multimedia Malaysia
Suruhanjaya Tenaga
Tenaga Nasional Berhad
The Electrical and Electronics Association of Malaysia
The Institution of Engineers, Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Generation, Conversion, Transformation and Storage of Electrical Energy which supervised adoption of the IEC Standard consists of representatives from the following organisations:

Jabatan Kerja Raya Malaysia
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd (Electrotechnical Testing Section)
SIRIM QAS International Sdn Bhd (Product Certification and Inspection Section)
Suruhanjaya Tenaga
Tenaga Nasional Berhad
TNB Remaco Sdn Bhd
The Electrical and Electronics Association of Malaysia
The Institution of Engineers, Malaysia
Universiti Malaya
Universiti Teknologi Malaysia

The Working Group on Solar Photovoltaic Systems which recommends adoption of the IEC Standard consists of representatives from the following organisations:

Jabatan Kerja Raya Malaysia
Pusat Tenaga Malaysia
SIRIM Berhad (Environment and Bioprocess Technology Center)
SIRIM Berhad (Secretariat)
Suruhanjaya Tenaga
Tenaga Nasional Berhad
The Electrical and Electronics Association of Malaysia
The Solar Energie Technik Sdn Bhd
Universiti Kebangsaan Malaysia
Universiti Malaya
Universiti Teknologi Malaysia
Universiti Teknologi MARA (Faculty of Applied Sciences)
Universiti Teknologi MARA (Faculty of Electrical Engineering)

NATIONAL FOREWORD

The adoption of the IEC Standard as a Malaysian Standard was recommended by the Working Group on Solar Photovoltaic Systems under the authority of the Electrotechnical-1 Industry Standards Committee.

This Malaysian Standard is identical with IEC 61215:2005, *Crystalline silicon terrestrial photovoltaic (PV) modules – Design qualification and type approval*, published by the International Electrotechnical Commission (IEC). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, “this International Standard” should read “this Malaysian Standard”;
- b) the comma which is used as a decimal sign (if any), to read as a point;
- c) the basis IEC 60038:2002 is printed in English and French languages. However, only the English version is applied for this Malaysian Standard; and
- d) reference to an International Standard is replaced by an equivalent Malaysian Standard as follows.

Referenced International Standards

Corresponding Malaysian Standards

ISO/IEC 17025:1999, *General requirements for competence of testing and calibration laboratories*

MS ISO/IEC 17025, *General requirements for competence of testing and calibration laboratories*

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, and wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1.

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CRYSTALLINE SILICON TERRESTRIAL
PHOTOVOLTAIC (PV) MODULES –
DESIGN QUALIFICATION AND TYPE APPROVAL**

FOREWORD

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

This second edition cancels and replaces the first edition published in 1993 and constitutes a technical revision.

The main changes with respect to the previous edition (published in 1993) are detailed in Annex A.

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

FDIS	Report on voting
82/376/FDIS	82/382/RVD

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

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

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.