

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Photovoltaic (PV) module safety qualification –
Part 1: Requirements for construction**

**Qualification pour la sûreté de fonctionnement des modules photovoltaïques
(PV) –
Partie 1: Exigences pour la construction**



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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 27.160

ISBN 978-2-8322-3574-4

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

PHOTOVOLTAIC (PV) MODULE SAFETY QUALIFICATION –**Part 1: Requirements for construction**

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International Standard IEC 61730-1 has been prepared by IEC technical committee 82: Solar photovoltaic energy systems.

This second edition cancels and replaces the first edition of IEC 61730-1, issued in 2004, and its amendments 1 (2011) and 2 (2013); it constitutes a technical revision.

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

- a) Adaption of horizontal standards and inclusion of IEC 60664 and IEC 61140.
- b) Implementation of insulation coordination, overvoltage category, classes, pollution degree (PD), and material groups (MG).
- c) Implementation of component qualification.
- d) IEC Guide 108 *Guidelines for ensuring the coherency of IEC publications – Application of horizontal standards*.

e) Definition of creepage (cr), clearance (cl) and distance through insulation.

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

FDIS	Report on voting
82/1128/FDIS	82/1146/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.

A list of all parts in the IEC 61730 series, published under the general title *Photovoltaic (PV) module safety qualification*, can be found on the IEC website.

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