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Standards

Irish Standard
I.S. EN 60904-7:2009

Photovoltaic devices -- Part 7: Computation of the spectral mismatch correction for measurements of photovoltaic devices (IEC 60904-7:2008 (EQV))

I.S. EN 60904-7:2009

Incorporating amendments/corrigenda issued since publication:

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Údarás um Chaighdeáin Náisiúnta na hÉireann

English version

**Photovoltaic devices -
Part 7: Computation of the spectral mismatch correction
for measurements of photovoltaic devices
(IEC 60904-7:2008)**

Dispositifs photovoltaïques -
Partie 7: Calcul de la correction
de désadaptation des réponses spectrales
dans les mesures de dispositifs
photovoltaïques
(CEI 60904-7:2008)

Photovoltaische Einrichtungen -
Teil 7: Berechnung der spektralen
Fehlanpassungskorrektur für Messungen
an photovoltaischen Einrichtungen
(IEC 60904-7:2008)

This European Standard was approved by CENELEC on 2009-03-01. 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.

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CENELEC

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

Central Secretariat: avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 82/540/FDIS, future edition 3 of IEC 60904-7, prepared by IEC TC 82, Solar photovoltaic energy systems, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60904-7 on 2009-03-01.

This European Standard supersedes EN 60904-7:1998.

The main changes with respect to EN 60904-7:1998 are listed below:

- the title has been modified in order to better reflect the purpose of the standard (changed from “mismatch error” to “mismatch correction”);
- formulae are now accompanied by explanatory text;
- Clause 3 “Description of method” now describes when it is necessary to use the method and when it may not be needed. It describes what data must be collected before the mismatch correction can be calculated;
- Clauses 4, 5 and 6 have been added;
- the formula for the mismatch correction has been corrected.

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) 2009-12-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2012-03-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60904-7:2008 was approved by CENELEC as a European Standard without any modification.

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 When 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 60891	- ¹⁾	Procedures for temperature and irradiance corrections to measured I-V characteristics of crystalline silicon photovoltaic devices	EN 60891	1994 ²⁾
IEC 60904-1	- ¹⁾	Photovoltaic devices - Part 1: Measurement of photovoltaic current-voltage characteristics	EN 60904-1	2006 ²⁾
IEC 60904-2	- ¹⁾	Photovoltaic devices - Part 2: Requirements for reference solar devices	EN 60904-2	2007 ²⁾
IEC 60904-3	- ¹⁾	Photovoltaic devices - Part 3: Measurement principles for terrestrial photovoltaic (PV) solar devices with reference spectral irradiance data	EN 60904-3	2008 ²⁾
IEC 60904-8	- ¹⁾	Photovoltaic devices - Part 8: Measurement of spectral response of a photovoltaic (PV) device	EN 60904-8	1998 ²⁾
IEC 60904-9	- ¹⁾	Photovoltaic devices - Part 9: Solar simulator performance requirements	EN 60904-9	2007 ²⁾
IEC 60904-10	- ¹⁾	Photovoltaic devices - Part 10: Methods of linearity measurement	EN 60904-10	1998 ²⁾
IEC 61215	- ¹⁾	Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval	EN 61215	2005 ²⁾
IEC 61646	- ¹⁾	Thin-film terrestrial photovoltaic (PV) modules - Design qualification and type approval	EN 61646	2008 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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les mesures de dispositifs photovoltaïques**





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