



SLOVENSKI STANDARD
SIST EN 60904-1-1:2017

01-november-2017

Fotonapetostne naprave - 1-1. del: Merjenje karakteristik tok-napetost fotonapetostnih naprav z več spoji

Photovoltaic devices - Part 1-1: Measurement of current-voltage characteristics of multi-junction photovoltaic devices

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Ta slovenski standard je istoveten z: **EN 60904-1-1:2017**
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ICS:

27.160 Sončna energija Solar energy engineering

SIST EN 60904-1-1:2017 **en**

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EUROPEAN STANDARD

EN 60904-1-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2017

ICS 27.160

English Version

Photovoltaic devices -
Part 1-1: Measurement of current-voltage characteristics of
multi-junction photovoltaic (PV) devices
(IEC 60904-1-1:2017)

Dispositifs photovoltaïques -
Partie 1-1: Mesurage des caractéristiques courant-tension des
dispositifs photovoltaïques (PV) multijonctions
(IEC 60904-1-1:2017)

Photovoltaische Einrichtungen -
Teil 1-1: Messen der Strom-/Spannungskennlinien von
photovoltaischen (PV) Einrichtungen mit Mehrschichtsolarellen
(IEC 60904-1-1:2017)

This European Standard was approved by CENELEC on 2017-06-22. 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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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 60904-1-1:2017**European foreword**

The text of document 82/1254/FDIS, future edition 1 of IEC 60904-1-1, prepared by IEC/TC 82 "Solar photovoltaic energy systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60904-1-1:2017.

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) 2018-03-22
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-06-22

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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 When 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60891	-	Photovoltaic devices - Procedures for temperature and irradiance corrections to measured I-V characteristics	EN 60891	-
IEC 60904-1	-	Photovoltaic devices - Part 1: Measurement of photovoltaic current-voltage characteristics	EN 60904-1	-
IEC 60904-2	-	Photovoltaic devices - Part 2: Requirements for photovoltaic reference devices	EN 60904-2	-
IEC 60904-3	-	Photovoltaic devices - Part 3: Measurement principles for terrestrial photovoltaic (PV) solar devices with reference spectral irradiance data	EN 60904-3	-
IEC 60904-4	-	Photovoltaic devices - Part 4: Reference solar devices - Procedures for establishing calibration traceability	EN 60904-4	-
IEC 60904-7	-	Photovoltaic devices - Part 7: Computation of the spectral mismatch correction for measurements of photovoltaic devices	EN 60904-7	-
IEC 60904-8	-	Photovoltaic devices - Part 8: Measurement of spectral responsivity of a photovoltaic (PV) device	EN 60904-8	-
IEC 60904-8-1	-	Photovoltaic devices - Part 8-1: Measurement of spectral responsivity of multi-junction photovoltaic (PV) devices	EN 60904-8-1	-
IEC 60904-9	-	Photovoltaic devices - Part 9: Solar simulator performance requirements	EN 60904-9	-
IEC/TS 61836	-	Solar photovoltaic energy systems - Terms, definitions and symbols	-	-

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IEC 60904-1-1

Edition 1.0 2017-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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Part 1-1: Measurement of current-voltage characteristics of multi-junction photovoltaic (PV) devices

Dispositifs photovoltaïques –
Partie 1-1: Mesurage des caractéristiques courant-tension des dispositifs photovoltaïques (PV) multijonctions

INTERNATIONAL
ELECTROTECHNICAL
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COMMISSION
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INTERNATIONALE

ICS 27.160

ISBN 978-2-8322-4338-1

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

PHOTOVOLTAIC DEVICES –

**Part 1-1: Measurement of current-voltage characteristics
of multi-junction photovoltaic (PV) devices**

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International Standard IEC 60904-1-1 has been prepared by IEC technical committee 82: Solar photovoltaic energy systems.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
82/1254/FDIS	82/1272/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.

A list of all parts in the IEC 60904 series, published under the general title *Photovoltaic devices*, can be found on the IEC website.