



SLOVENSKI STANDARD

SIST EN 62253:2011

01-november-2011

Fotonapetostni črpalni sistemi - Ocena zasnove in meritve zmogljivosti (IEC 62253:2011)

Photovoltaic pumping systems - Design qualification and performance measurements

Photovoltaische Pumpensysteme - Bauarteignug und Prüfung des Leistungsverhaltens

Système de pompage photovoltaïque - Qualification de la conception et mesures de performance

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Ta slovenski standard je istoveten z: **EN 62253:2011**

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27.160

Sončna energija

Solar energy engineering

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

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English version

**Photovoltaic pumping systems -
Design qualification and performance measurements
(IEC 62253:2011)**

Systèmes de pompage photovoltaïques -
Qualification de la conception et mesures
de performance
(CEI 62253:2011)

Photovoltaische Pumpensysteme -
Bauartegnug und Prüfung des
Leistungsverhaltens
(IEC 62253:2011)

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

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Foreword

The text of document 82/647/FDIS, future edition 1 of IEC 62253, prepared by IEC TC 82, "Solar photovoltaic energy systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62253:2011.

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) 2012-05-19
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2014-08-19

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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 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 60068-2-6	-	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	-
IEC 60068-2-30	-	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)	EN 60068-2-30	-
IEC 60146	Series	Semiconductor converters - General requirements and line commutated converters	EN 60146	Series
IEC 60364-4-41	-	Low-voltage electrical installations - Part 4-41: Protection for safety - Protection against electric shock	HD 60364-4-41	-
IEC 60364-7-712	-	Electrical installations of buildings - Part 7-712: Requirements for special installations or locations - Solar photovoltaic (PV) power supply systems	HD 60364-7-712	-
IEC 60529	-	Degrees of protection provided by enclosures - (IP Code)		-
IEC 60947-1	-	Low-voltage switchgear and controlgear - Part 1: General rules	EN 60947-1	-
IEC 61000-6-2	-	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments	EN 61000-6-2	-
IEC 61000-6-3	-	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light- industrial environments	EN 61000-6-3	-
IEC 61215	-	Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval	EN 61215	-
IEC 61646	-	Thin-film terrestrial photovoltaic (PV) modules - Design qualification and type approval	EN 61646	-
IEC 61683	1999	Photovoltaic systems - Power conditioners - Procedure for measuring efficiency	EN 61683	2000
IEC 61725	-	Analytical expression for daily solar profiles	EN 61725	-
IEC 61730-1 (mod)	-	Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction	EN 61730-1	-
IEC 61730-2 (mod)	-	Photovoltaic (PV) module safety qualification - Part 2: Requirements for construction	EN 61730-2	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61800-3	-	Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods	EN 61800-3	-
IEC 62103	-	Electronic equipment for use in power installations	-	-
IEC 62109-1	-	Safety of power converters for use in photovoltaic power systems - Part 1: General requirements	EN 62109-1	-
IEC 62124	2004	Photovoltaic (PV) stand-alone systems - Design verification	EN 62124	2005
IEC 62305-3	-	Protection against lightning - Part 3: Physical damage to structures and life hazard	EN 62305-3	-
IEC 62458	-	Sound system equipment - Electroacoustic transducers - Measurement of large signal parameters	EN 62458	-
IEC 62548	201X ¹⁾	Design requirements for photovoltaic (PV) arrays	EN 62548	201X ¹⁾
ISO 9905	1994	Technical specifications for centrifugal pumps - Class I	EN ISO 9905	1997

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¹⁾ To be published.



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NORME INTERNATIONALE



Photovoltaic pumping systems – Design qualification and performance measurements

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Systèmes de pompage photovoltaïques – Qualification de la conception et mesures de performance

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**PHOTOVOLTAIC PUMPING SYSTEMS –
DESIGN QUALIFICATION AND PERFORMANCE MEASUREMENTS**

FOREWORD

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International Standard IEC 62253 has been prepared by IEC technical committee 82: Solar photovoltaic energy systems.

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

FDIS	Report on voting
82/647/FDIS	82/656/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 stability 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

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

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