



SLOVENSKI STANDARD
SIST EN 61727:2001

01-september-2001

Fotonapetostni (PV) sistemi – Značilnosti omrežnega vmesnika

Photovoltaic (PV) systems - Characteristics of the utility interface

Photovoltaische (PV) Systeme - Eigenschaften der Netz-Schnittstelle

Systèmes photovoltaïques (PV) - Caractéristiques de l'interface de raccordement au réseau

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Ta slovenski standard je istoveten z: EN 61727:1995

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ICS:

27.160

Sončna energija

Solar energy engineering

SIST EN 61727:2001

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61727

August 1995

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Descriptors: Photovoltaic systems, utility interface, power quality, protection equipment, personnel safety

English version

**Photovoltaic (PV) systems
Characteristics of the utility interface
(IEC 1727:1995)**

Systèmes photovoltaïques (PV)
Caractéristiques de l'interface de
raccordement au réseau
(CEI 1727:1995)

Photovoltaische (PV) Systeme
Eigenschaften der Netz-Schnittstelle
(IEC 1727:1995)

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This European Standard was approved by CENELEC on 1995-07-04. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 82/122/DIS, future edition 1 of IEC 1727, prepared by IEC TC 82, Solar photovoltaic energy systems, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61727 on 1995-07-04.

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) 1996-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1996-04-01

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given for information only.
In this standard, annex ZA is normative and annexes A and B are informative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 1727:1995 was approved by CENELEC as a European Standard without any modification.

In the official version, for annex B, Bibliography, the following note has to be added for the standard indicated:

[SIST EN 61727:2001
https://standards.iteh.ai/catalog/standards/sist/7f7506cb-b9d1-4cbc-b4d6-57d026684106/iec-1194-1995](https://standards.iteh.ai/catalog/standards/sist/7f7506cb-b9d1-4cbc-b4d6-57d026684106/iec-1194-1995)

IEC 1194 NOTE: Harmonized as EN 61194:1995 (modified).

Annex ZA (normative)

Normative references to international publications
with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 555-2 (mod)	1982	Disturbances in supply systems caused by household appliances and similar electrical equipment Part 2: Harmonics	EN 60555-2 ¹⁾	1987
IEC 555-3	1982	Part 3: Voltage fluctuations	EN 60555-3 ²⁾	1987
IEC 1173	1992	Overvoltage protection for photovoltaic (PV) power generating systems Guide	EN 61173	1994
IEC 1277	1995	Terrestrial photovoltaic (PV) power generating systems General and guide	-	-
CIGRE 123	1992	Equipment producing harmonics and conditions governing their connection to the main power supply	-	-

1) EN 60555-2 includes A1:1985 to IEC 555-2; it is superseded by EN 61000-3-2:1995, which is based on IEC 1000-3-2:1995.

2) EN 60555-3:1987 + A1:1991 are superseded by EN 61000-3-3:1995, which is based on IEC 1000-3-3:1994.

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CEI
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Première édition
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Systèmes photovoltaïques (PV) –
Caractéristiques de l'interface
de raccordement au réseau

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Photovoltaic (PV) systems –
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International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

PHOTOVOLTAIC (PV) SYSTEMS –
CHARACTERISTICS OF THE UTILITY INTERFACE

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international cooperation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters, prepared by technical committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 3) They have the form of recommendations for international use published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.

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International Standard IEC 1727 has been prepared by IEC technical committee 82: Solar photovoltaic energy systems.
<https://standards.iteh.ai/catalog/standards/sist/717506cb-b9d1-4c8c-b4d6-57d0266844b6/sist-en-61727-2001>

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

DIS	Report on voting
82/122/DIS	82/138/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.

Annexes A and B are for information only.