



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61727:1998

ICS 27.160

**PHOTOVOLTAIC (PV) SYSTEMS -
CHARACTERISTICS OF THE UTILITY
INTERFACE (IEC 1727:1995)**

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

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ICS 31.260

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)

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with the EN have to be withdrawn (dow) 1996-04-01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:

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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