



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61194:1999

ICS 27.160

**CHARACTERISTIC PARAMETERS OF
STAND-ALONE PHOTOVOLTAIC (PV)
SYSTEMS (IEC 1194:1992)**

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61194

June 1995

ICS 31.260

Descriptors: Solar energy, stand-alone photovoltaic systems, array field, environmental parameters, performance parameters

English version

**Characteristic parameters of stand-alone photovoltaic (PV) systems
(IEC 1194:1992, modified)**

Paramètres descriptifs des systèmes
photovoltaïques autonomes
(CEI 1194:1992, modifiée)

Charakteristische Parameter von
photovoltaischen(PV)-Inselsystemen
(IEC 1194:1992, modifiziert)

This European Standard was approved by CENELEC on 1995-05-15. 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

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Foreword

The text of the International Standard IEC 1194:1992, prepared by IEC TC 82, Solar photovoltaic energy systems, together with common modifications prepared by Reporting Secretariat SR 82, was submitted to the formal vote and was approved by CENELEC as EN 61194 on 1995-05-15.

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) 1996-07-01
 - latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1996-07-01
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Endorsement notice

The text of the International Standard IEC 1194:1992 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

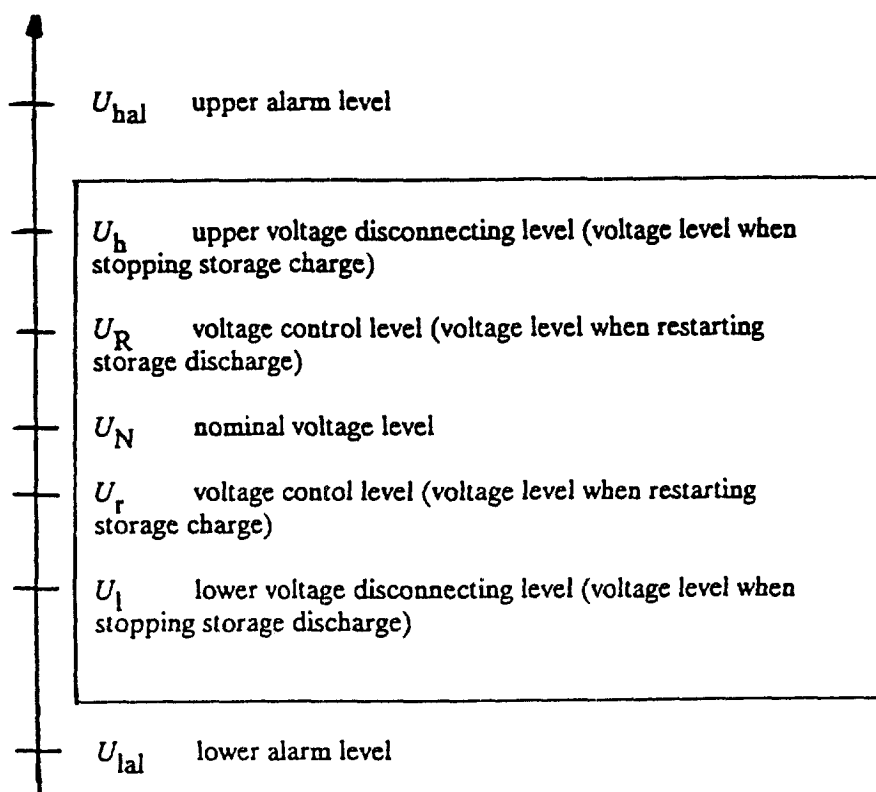
Replace subclause 4.1.2 by the following:

4.1.2 Storage control unit

Voltage control levels
at $T_{\text{amb}} = 20\text{ }^{\circ}\text{C}$, T_{amb} maximum, T_{amb} minimum

(V)

(U)



- type of control

- depth of battery discharge

4.2.2 Long-term performance (during reference period(s))

Replace in the fourth line " E_{pV} " by " E_{pV} "

Add as a third parameter to be determined :

E_{U} active electrical energy delivered to loads (kWh) with the same conditions as above

Replace in the fourteenth line " $h_{\text{c}} = 100 E_{\text{pU}}/H_{\text{irp}}$ " by " $h_{\text{c}} = 100 E_{\text{pV}}/H_{\text{irp}}$ "

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