BS EN 62116:2014

BSI Standards Publication

Utility-interconnected photovoltaic inverters — Test procedure of islanding prevention measures

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This British Standard is the UK implementation of EN 62116:2014. It is identical to IEC 62116:2014. It supersedes BS EN 62116:2011, which will be withdrawn on 2 April 2017.

The UK participation in its preparation was entrusted to Technical Committee GEL/82, Photovoltaic Energy Systems.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments/corrigenda issued since publication

Date	Text affected

EUROPEAN STANDARD **EN 62116**

EUROPÄISCHE NORM

July 2014

ICS 27.160

Supersedes EN 62116:2011

English Version

Utility-interconnected photovoltaic inverters - Test procedure of islanding prevention measures (IEC 62116:2014)

Onduleurs photovoltaïques interconnectés au réseau public - Procédure d'essai des mesures de prévention contre l'îlotage
(CEI 62116:2014)

Photovoltaik-Wechselrichter für den Anschluss an das Stromversorgungsnetz - Prüfverfahren für Maßnahmen zur Verhinderung der Inselbildung
(IEC 62116:2014)

This European Standard was approved by CENELEC on 2014-04-02. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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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

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Foreword

The text of document 82/813/FDIS, future edition 2 of IEC 62116, prepared by IEC/TC 82 "Solar photovoltaic energy systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62116:2014.

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) 2015-01-25

– latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-04-02

This document supersedes EN 62116:2011.

EN 62116:2014 includes the following significant technical changes with respect to EN 62116:2011:

<table>
<tr><th></th><th>Previous edition</th><th>Present edition</th></tr>
<tr><td>3.7</td><td rowspan="11">Real power</td><td rowspan="11">Active power</td></tr>
<tr><td>5.1</td></tr>
<tr><td>5.4</td></tr>
<tr><td>6.1 b)</td></tr>
<tr><td>6.1 d)</td></tr>
<tr><td>6.1 e)</td></tr>
<tr><td>6.1 g)</td></tr>
<tr><td>Table 1</td></tr>
<tr><td>Table 6</td></tr>
<tr><td>Table 7</td></tr>
<tr><td>Table 9</td></tr>
<tr><td>5.2</td><td>A PV array or PV array simulator (preferred) may be used.
If the EUT can operate in utility-interconnected mode from a storage battery, a DC power source may be used in lieu of a battery as long as the DC power source is not the limiting device as far as the maximum EUT input current is concerned.</td><td>A DC power source, such as a PV array simulator, a PV array, or a current and voltage limited DC power supply with series resistance may be used.
If the EUT can operate in utility-interconnected mode from a storage battery, a DC power source may be used in lieu of a battery as long as the DC power source shall not be the limiting device as far as the maximum EUT input current is concerned.</td></tr>
</table>

Table 5	EUT input voltage 10 %	EUT input voltage 20 %
	EUT Trip Settings Manufacturer specified voltage and frequency trip settings	Voltage and frequency trip settings according to National standards and/or local code
Tables 6 & 7 (Heading)	Percent change in real load, reactive load from nominal	Percent change in active load, reactive load from nominal output power

Major changes with respect to the previous edition concern the DC power source and test conditions.

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Endorsement notice

The text of the International Standard IEC 62116:2014 was approved by CENELEC as a European Standard without any modification.

(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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.

Publication	Year	Title	EN/HD	Year
IEC/TS 61836	-	Solar photovoltaic energy systems - Terms, definitions and symbols	CLC/TS 61836	-

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