SLOVENSKI STANDARD
SIST EN 62282-3-300:2013

01-marec-2013

Tehnologije gorivnih celic - 3-300. del: Nepremični elektroenergetski sistemi z gorivnimi celicami - Namestitev

Fuel cell technologies - Part 3-300: Stationary fuel cell power systems - Installation

Brennstoffzellentechnologien - Teil 3-300: Stationäre Brennstoffzellen-Energiesysteme - Errichtung

Technologies des piles à combustible - Partie 3-300: Systèmes à piles à combustible stationnaires - Installation

Ta slovenski standard je istoveten z: **EN 62282-3-300:2012**

ICS:

27.070	Gorilne celice	Fuel cells

SIST EN 62282-3-300:2013 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 62282-3-300

October 2012

ICS 27.070

Supersedes EN 62282-3-3:2008

English version

Fuel cell technologies - Part 3-300: Stationary fuel cell power systems - Installation

(IEC 62282-3-300:2012)

Technologies des piles à combustible - Partie 3-300: Systèmes à piles à combustible stationnaires - Installation
(CEI 62282-3-300:2012)

Brennstoffzellentechnologien - Teil 3-300: Stationäre-Brennstoffzellen-Energiesysteme - Installation
(IEC 62282-3-300:2012)

This European Standard was approved by CENELEC on 2012-07-19. 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.

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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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CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Ref. No. EN 62282-3-300:2012 E

Foreword

The text of document 105/377/FDIS, future edition 1 of IEC 62282-3-300, prepared by IEC/TC 105 "Fuel cell technologies" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62282-3-300:2012.

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)	2013-04-19
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2015-07-19

This document supersedes EN 62282-3-3:2008.

EN 62282-3-300:2012 includes the following significant technical changes with respect to EN 62282-3-3:2008:

– addition in the scope to avoid overlapping between EN 62282-3-100 and EN 62282-3-300 concerning safety related requirements;

– updating normative references and definitions;

– requirements applicable to the stationary fuel cell removed, so that the target of this standard focuses on “installation risks”;

– level of CO reduced for small fuel cell power systems which exhaust directly into a utility shed where they are installed, and where the shed is to ensure safety;

– requirement for using a combustible gas detection system modified;

– reference to the gas valve standard ISO 23551-1 added.

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 62282-3-300:2012 was approved by CENELEC as a European Standard without any modification.

Annex ZA
(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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 60079-10	Series	Explosive atmospheres - Part 10: Classification of areas	EN 60079-10	Series
IEC 60079-29-1	-	Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases	EN 60079-29-1	-
IEC 60079-29-2	-	Explosive atmospheres - Part 29-2: Gas detectors - Selection, installation, use and maintenance of detectors for flammable gases and oxygen	EN 60079-29-2	-
IEC 62282-3-100	2012	Fuel cell technologies - Part 3-100: Stationary fuel cell power systems - Safety	EN 62282-3-100	2012
ISO 1182	-	Reaction to fire tests for building products - Non-combustibility test	EN ISO 1182	-
ISO 14121	-	Safety of machinery - Principles of risk assessment	-	-
ISO 23551-1	-	Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 1: Automatic valves	-	-

IEC 62282-3-300

Edition 1.0 2012-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Fuel cell technologies – Part 3-300: Stationary fuel cell power systems – Installation

Technologies des piles à combustible – Partie 3-300: Systèmes à piles à combustible stationnaires – Installation

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

PRICE CODE
CODE PRIX

R

ICS 27.070

ISBN 978-2-83220-158-9

CONTENTS

INTERNATIONAL ELECTROTECHNICAL COMMISSION

FUEL CELL TECHNOLOGIES –

Part 3-300: Stationary fuel cell power systems – Installation

FOREWORD

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International Standard IEC 62282-3-300 has been prepared by IEC technical committee 105: Fuel cell technologies.

IEC 62282-3-300 cancels and replaces IEC 62282-3-3, published in 2007, and constitutes a technical revision.

IEC 62282-3-300 includes the following significant technical changes with respect to IEC 62282-3-3:

– addition in the scope to avoid overlapping between IEC 62282-3-100 and IEC 62282-3-300 concerning safety related requirements;
– updating normative references and definitions;
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– requirement for using a combustible gas detection system modified;

– reference to the gas valve standard ISO 23551-1 added.

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

FDIS	Report on voting
105/377/FDIS	105/388/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.

A list of all parts of the IEC 62282 series, under the general title *Fuel cell technologies*, can be found on the IEC website.

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

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