SLOVENSKI STANDARD
SIST EN 62282-6-200:2008

01-junij-2008

Tehnologija gorivnih celic - 6-200. del: Tehnologija mikro gorivnih celic - Metode določanje lastnosti (IEC 62282-6-200:2007)

Fuel cell technologies - Part 6-200: Micro fuel cell power systems - Performance test methods

Brennstoffzellentechnologien - Teil 6-200: Mikrobrennstoffzellen-Energiesysteme - Leistungskennwerteprüfverfahren

Technologies des piles a combustible - Partie 6-200: Systemes a micro-piles a combustible - Méthodes d'essai des performances

Ta slovenski standard je istoveten z: **EN 62282-6-200:2008**

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27.070	Gorilne celice	Fuel cells

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English version

Fuel cell technologies - Part 6-200: Micro fuel cell power systems - Performance test methods

(IEC 62282-6-200:2007)

Technologies des piles à combustible - Partie 6-200: Systèmes à micro-piles à combustible - Méthodes d'essai des performances (CEI 62282-6-200:2007)

Brennstoffzellentechnologien - Teil 6-200: Mikrobrennstoffzellen-Energiesysteme - Leistungskennwerteprüfverfahren (IEC 62282-6-200:2007)

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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

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Foreword

The text of document 105/151/FDIS, future edition 1 of IEC 62282-6-200, prepared by IEC TC 105, Fuel cell technologies, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62282-6-200 on 2008-02-01.

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)	2008-11-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2011-02-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62282-6-200:2007 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 referenced documents are indispensable for the application of this document. 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 60051-1	–[1]	Direct acting indicating analogue electrical measuring instruments and their accessories - Part 1: Definitions and general requirements common to all parts	EN 60051-1	1998[2]
IEC 60051-2	–[1]	Direct acting indicating analogue electrical measuring instruments and their accessories - Part 2: Special requirements for ammeters and voltmeters	EN 60051-2	1989[2]
IEC 60068-2-6	–[1]	Environmental testing - Part 2: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	2008[2]
IEC 60721-3-7	–[1]	Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 7: Portable and non-stationary use	EN 60721-3-7	1995[2]
ISO 4677-1	–[1]	Atmospheres for conditioning and testing - Determination of relative humidity - Part 1: Aspirated psychrometer method	–	–
ISO 4677-2	–[1]	Atmospheres for conditioning and testing - Determination of relative humidity - Part 2: Whirling psychrometer method	–	–

[1] Undated reference.

[2] Valid edition at date of issue.

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INTERNATIONAL STANDARD

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Fuel cell technologies –
Part 6-200: Micro fuel cell power systems – Performance test methods

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FOREWORD

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International Standard IEC 62282-6-200 has been prepared by IEC technical committee 105: Fuel cell technologies.

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

FDIS	Report on voting
105/151/FDIS	105/165A/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 maintenance result 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.

INTRODUCTION

With advancements in technology, the expectation or demand for the commercial introduction of fuel cells has increased dramatically in recent years. It is especially strong for micro fuel cell power systems intended for applications in laptop computers, mobile phones, PDAs, cordless home appliances, TV broadcast cameras, autonomous robots, etc. The essential component of a micro fuel cell power system is its power unit. Some micro fuel cell power systems have built-in power units, and others have external power units. The purpose of this international standard is to describe the performance test methods for micro fuel cell power systems with outputs up to 60 V d.c. and 240 VA.