



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 62282-3-1:2007

ICS 27.070

**FUEL CELL TECHNOLOGIES -- PART 3-1:
STATIONARY FUEL CELL POWER
SYSTEMS - SAFETY (IEC 62282-3-1:2007
(EQV))**

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EUROPEAN STANDARD

EN 62282-3-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2007

ICS 27.070

English version

**Fuel cell technologies -
Part 3-1: Stationary fuel cell power systems -
Safety
(IEC 62282-3-1:2007)**

Technologies des piles à combustible -
Partie 3-1: Systèmes à piles
à combustible stationnaires -
Sécurité
(CEI 62282-3-1:2007)

Brennstoffzellentechnologien -
Teil 3-1: Stationäre Brennstoffzellen-
Energiesysteme -
Sicherheit
(IEC 62282-3-1:2007)

This European Standard was approved by CENELEC on 2007-05-01. 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.

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CENELEC

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

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Foreword

The text of document 105/138/FDIS, future edition 1 of IEC 62282-3-1, prepared by IEC TC 105, Fuel cell technologies, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62282-3-1 on 2007-05-01.

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) | 2008-02-01 |
| – latest date by which the national standards conflicting
with the EN have to be withdrawn | (dow) | 2010-05-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62282-3-1:2007 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60079-0 (mod)	- ¹⁾	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements	EN 60079-0	2006 ²⁾
IEC 60079-2	- ¹⁾	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p"	-	-
IEC 60079-10	- ¹⁾	Electrical apparatus for explosive gas atmospheres - Part 10: Classification of hazardous areas	EN 60079-10	2003 ²⁾
IEC/TR 60079-16	- ¹⁾	Electrical apparatus for explosive gas atmospheres - Part 16: Artificial ventilation for the protection of analyzer(s) houses	-	-
IEC/TR 60079-20	- ¹⁾	Electrical apparatus for explosive gas atmospheres - Part 20: Data for flammable gases and vapours, relating to the use of electrical apparatus	-	-
IEC 60204-1 (mod)	- ¹⁾	Safety of machinery - Electrical equipment of machines - Part 1: General requirements	EN 60204-1	2006 ²⁾
IEC 60300-3-9	- ¹⁾	Dependability management - Part 3: Application guide - Section 9: Risk analysis of technological systems	-	-
IEC 60335-1 (mod)	- ¹⁾	Household and similar electrical appliances - Safety - Part 1: General requirements	EN 60335-1 + A11 + A12	2002 ²⁾ 2004 2006

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u> ²⁾
IEC 60335-2-51	- ¹⁾	Household and similar electrical appliances - Safety - Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations	EN 60335-2-51	2003 ²⁾
IEC 60384-14	- ¹⁾	Fixed capacitors for use in electronic equipment - Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains	EN 60384-14	2005 ²⁾
IEC 60417	Data base	Graphical symbols for use on equipment	-	-
IEC 60529	- ¹⁾	Degrees of protection provided by enclosures (IP Code)	EN 60529 + corr. May	1991 ²⁾ 1993
IEC 60730-1 (mod)	- ¹⁾	Automatic electrical controls for household and similar use - Part 1: General requirements	EN 60730-1 + A12 + A13 + A14 + A15 + A16	2000 ²⁾ 2003 2004 2005 2007 2007
IEC 60730-2-5 (mod)	- ¹⁾	Automatic electrical controls for household and similar use - Part 2-5: Particular requirements for automatic electrical burner control systems	EN 60730-2-5 + A11	2002 ²⁾ 2005
IEC 60730-2-6	- ¹⁾	Automatic electrical controls for household and similar use - Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements	-	-
IEC 60730-2-9 (mod)	- ¹⁾	Automatic electrical controls for household and similar use - Part 2-9: Particular requirements for temperature sensing controls	EN 60730-2-9 + A11 + A12	2002 ²⁾ 2003 2004
IEC 60730-2-17	- ¹⁾	Automatic electrical controls for household and similar use - Part 2-17: Particular requirements for electrically operated gas valves, including mechanical requirements	-	-
IEC 60730-2-19 (mod)	- ¹⁾	Automatic electrical controls for household and similar use - Part 2-19: Particular requirements for electrically operated oil valves, including mechanical requirements	EN 60730-2-19 + A11	2002 ²⁾ 2005
IEC 60812	- ¹⁾	Analysis techniques for system reliability - Procedure for failure mode and effects analysis (FMEA)	EN 60812	2006 ²⁾
IEC 60950-1 (mod)	2005	Information technology equipment - Safety - Part 1: General requirements	EN 60950-1	2006

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