



BSI Standards Publication

Fuel cell technologies

Part 2-100: Fuel cell modules — Safety

National foreword

This British Standard is the UK implementation of EN IEC 62282-2-100:2020. It is identical to IEC 62282-2-100:2020.

The UK participation in its preparation was entrusted to Technical Committee GEL/105, Fuel cell technologies.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Amendments/corrigenda issued since publication

Date	Text affected
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 62282-2-100

June 2020

ICS 27.070

Supersedes EN 62282-2:2012 and all of its amendments
and corrigenda (if any)

English Version

**Fuel cell technologies - Part 2-100: Fuel cell modules - Safety
(IEC 62282-2-100:2020)**

Technologies des piles à combustible - Partie 2-100:
Modules à piles à combustible - Sécurité
(IEC 62282-2-100:2020)

Brennstoffzellentechnologien - Teil 2-100:
Brennstoffzellenmodule - Sicherheit
(IEC 62282-2-100:2020)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 105/782/FDIS, future edition 1 of IEC 62282-2-100, prepared by IEC/TC 105 "Fuel cell technologies" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62282-2-100:2020.

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) 2021-03-11
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-06-11

This document supersedes EN 62282-2:2012 and all of its amendments and corrigenda (if any).

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Endorsement notice

The text of the International Standard IEC 62282-2-100:2020 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60812	NOTE	Harmonized as EN IEC 60812
IEC 61025	NOTE	Harmonized as EN 61025
ISO/IEC 80079-20-1:2017	NOTE	Harmonized as EN ISO/IEC 80079-20-1:2019 (not modified)
ISO 1307	NOTE	Harmonized as EN ISO 1307
ISO 1402	NOTE	Harmonized as EN ISO 1402
ISO 10619-1	NOTE	Harmonized as EN ISO 10619-1
ISO 10619-2	NOTE	Harmonized as EN ISO 10619-2
ISO 10619-3	NOTE	Harmonized as EN ISO 10619-3
IEC 62282-3-100	NOTE	Harmonized as EN IEC 62282-3-100
IEC 60079 (series)	NOTE	Harmonized as EN IEC 60079 (series)

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60079-10-1	-	Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres	EN 60079-10-1	-
IEC 60204-1	-	Safety of machinery - Electrical equipment of machines - Part 1: General requirements	EN 60204-1	-
IEC 60335-1	-	Household and similar electrical appliances - Safety - Part 1: General requirements	EN 60335-1	-
IEC 60352	series	Solderless connections	EN 60352	series
IEC 60512-15	series	Connectors for electronic equipment - Tests and measurements - Part 15: Connector tests (mechanical)	EN 60512-15	series
IEC 60512-16	series	Connectors for electronic equipment - Tests and measurements - Part 16: Mechanical tests on contacts and terminations	EN 60512-16	series
IEC 60529	-	Degrees of protection provided by enclosures (IP Code)	-	-
IEC 60617	series	Graphical symbols for diagrams	EN 60617	series
IEC 60695	series	Fire hazard testing	EN 60695	series
IEC 60730-1	-	Automatic electrical controls - Part 1: General requirements	EN 60730-1	-
IEC 61010-1	-	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements	EN 61010-1	-
IEC 61204-7	-	Low-voltage switch mode power supplies - Part 7: Safety requirements	EN IEC 61204-7	-
IEC 61508	series	Functional safety of electrical/electronic/programmable electronic safety-related systems	EN 61508	series

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62040-1	-	Uninterruptible power systems (UPS) - Part 1: Safety requirements	EN IEC 62040-1	-
IEC 62061	-	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems	EN 62061	-
IEC 62282-4-101	-	Fuel cell technologies - Part 4-101: Fuel cell power systems for propulsion other than road vehicles and auxiliary power units (APU) - Safety of electrically powered industrial trucks	EN 62282-4-101	-
IEC 62368-1	-	Audio/video, information and communication technology equipment - Part 1: Safety requirements	EN IEC 62368-1	-
IEC 62477-1	2012	Safety requirements for power electronic converter systems and equipment - Part 1: General	EN 62477-1	2012
-	-		+ A11	2014
ISO 13849-1	-	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design	EN ISO 13849-1	-
ISO 23550	-	Safety and control devices for gas burners and/or gas-burning appliances - General requirements	-	-