

# TECHNICAL SPECIFICATION

# SPÉCIFICATION TECHNIQUE

**Fuel cell technologies –  
Part 1: Terminology**

**Technologies des piles à combustible –  
Partie 1: Terminologie**

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# SPÉCIFICATION TECHNIQUE

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INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

PRICE CODE  
CODE PRIX

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ICS 27.070

ISBN 978-2-88910-661-5

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**FUEL CELL TECHNOLOGIES –****Part 1: Terminology**

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Technical specifications are subject to review within three years of publication to decide whether they can be transformed into International Standards.

IEC 62282-1, which is a technical specification, has been prepared by IEC technical committee 105: Fuel cell technologies.

This second edition cancels and replaces the first edition, published in 2005. This second edition constitutes a technical revision.

The first edition of IEC TS 62282-1 was intended as a resource for the working groups of TC 105 and users of the TC 105 standards series; therefore it only included terms and definitions used in the other IEC 62282 standards to provide consistency among those documents. This second edition is a general fuel cell glossary, including all terms unique to fuel cell technologies, and it is a complete re-write of the previous edition.

The text of this technical specification is based on the following documents:

Enquiry draft	Report on voting
105/200/DTS	105/250/RVC

Full information on the voting for the approval of this technical specification 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.

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 be

- transformed into an International standard,
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- amended.

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## FUEL CELL TECHNOLOGIES –

### Part 1: Terminology

#### 1 Scope

This part of IEC 62282 provides uniform terminology in the forms of diagrams, definitions and equations related to fuel cell technologies in all applications including but not limited to stationary power, transportation, portable power and micro power applications.

Not found here are words and phrases, which can be found in standard dictionaries, engineering references or the IEC 60050 series.

NOTE The first edition of IEC 62282 was intended as a resource for the working groups and users of the IEC TC 105 series of fuel cell standards. This second edition has been expanded into a general fuel cell glossary.

#### 2 Diagrams of generalized fuel cell systems

##### 2.1 Diagrams

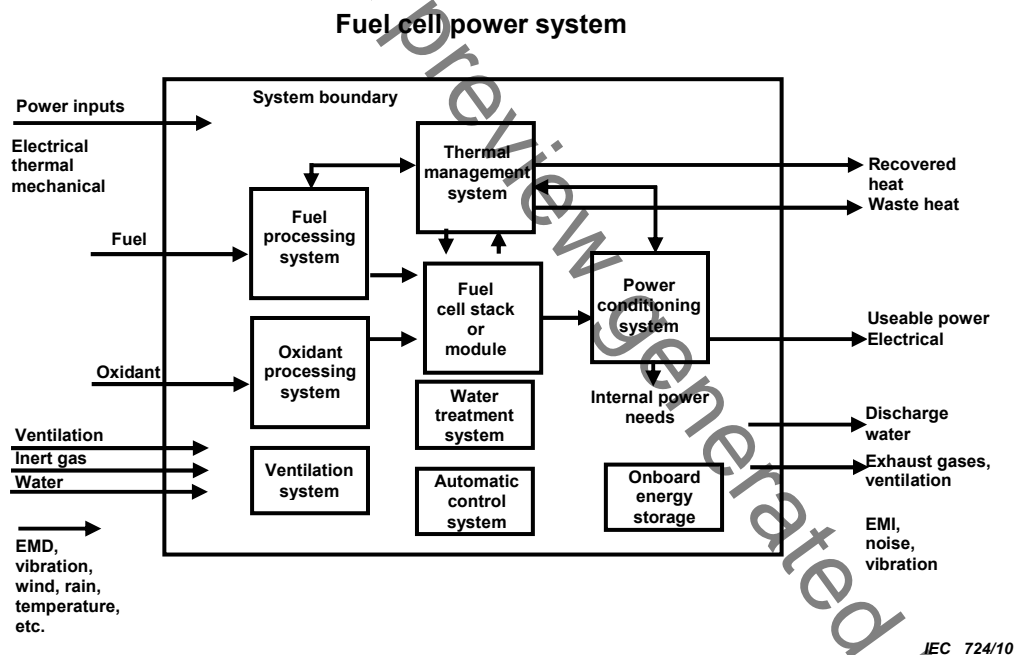


Figure 1 – Stationary fuel cell power systems (3.49.3)