

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Fuel cell technologies –
Part 2: Fuel cell modules**

**Technologies des piles à combustible –
Partie 2: Modules à piles à combustible**

Withdrawing



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FUEL CELL TECHNOLOGIES –**Part 2: Fuel cell modules**

FOREWORD

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International Standard IEC 62282-2 has been prepared by IEC technical committee 105: Fuel cell technologies.

This second edition cancels and replaces the first edition, published in 2004, its amendment 1 (2007) and constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- inclusion of definitions for hazards and hazardous locations based on the IEC 60079 series;
- the general safety strategy is modified to reflect the needs for different application standards. The modifications are in line with similar modifications made to IEC 62282-3-100;
- the electrical components clause is modified to reflect the needs for different application standards. The modifications are in line with similar modifications made to IEC 62282-3-100;

- the marking and instructions have been enlarged to provide the system integrator with the necessary information.

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

FDIS	Report on voting
105/378/FDIS	105/389/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 the parts in the IEC 62282 series, published under the general title *Fuel cell technologies*, can be found on the IEC website.

The reader's attention is drawn to the fact that Annex B lists all of the "in-some-country" clauses on differing practices of a less permanent nature relating to the subject of this standard.

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INTRODUCTION

Fuel cell modules are electrochemical devices which convert continuously supplied fuel, such as hydrogen or hydrogen rich gases, alcohols, hydrocarbons and oxidants to d.c. power, heat, water and other by-products.

Fuel cell modules are sub-assemblies that are integrated into end-use products incorporating one or more fuel cell stacks and, if applicable, additional components.

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