



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 28816-2020

Fuel cell--Terminology

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Foreword

This Standard was drafted as per the rules specified in GB/T 1.1-2009.

This Standard replaced GB/T 28816-2012 Fuel Cell - Terminology; Compared with GB/T 28816-2012, this Standard has the major technical changes as follows.

--- Modify partial terms and definitions (see 3.1, 3.24, 3.33.1, 3.69.2, 3.85.1, 3.90, 3.104, 3.108.1, 3.108.4, 3.112.4, 3.115.5 of this Edition);

--- Add partial terms and definitions (see 3.20, 3.43.1, 3.58, 3.86.2, 3.110.4 of this Edition);

--- Delete the terms and definitions of "heat production rate" and "standby mode" (see 3.6.1 and 3.110.4 of 2012 Edition).

This Standard uses translation method to equivalently adopt IEC/TS 62282-1.2013 Fuel Cell Technologies - Part 1.Terminology.

This Standard made the following editorial modifications.

--- Modify the standard name into "Fuel Cell - Terminologies";

--- Move the abbreviations behind the corresponding English terms;

--- Modify partial terms and definitions (see 3.85, 3.106 of this Edition).

This Standard was proposed by China Electrical Equipment Industrial Association.

This Standard shall be under the jurisdiction of National Technical Committee for Standardization of Fuel Cell and Flow Battery (SAC/TC 342).

Drafting organizations of this Standard. Beijing Machinery Industry's Research Institute

of Electrical Techno-Economics; Innoreagen Power Technology Co., Ltd.; Shenzhen Institute of Standards and Technology; Beijing Shangdian Keseari Technology Co., Ltd.; Shanghai Shenli Technology Co., Ltd.; Tsinghua University; Wuhan University of Technology; Dalian Institute of Chemical Physics, Chinese Academy of Sciences; Sunrise Power Co., Ltd.; Pearl Hydrogen Technology Co., Ltd.; Aerospace New Long March Electric Vehicle Technology Co., Ltd.; Guangdong Hydrogen Energy Science and Technology Co., Ltd.; Shanghai Hydrogen Propulsion Technology Co., Ltd.; Wuxi Products Quality Supervision and Inspection Institute; Shanghai Institute of Quality Inspection and Technical Research; Beijing Sinohytech Co., Ltd.; Shanghai Hengjin Power Technology Co., Ltd.; Shanghai Boxuan Energy Technology Co., Ltd.; and Nekson Power Technology Co., Ltd.

Chief drafting staffs of this Standard. Qi Zhigang, Zhang Liang, Wang Yiqun, Lu Chenjuan, Diao Lipeng, Zhou Bin, Pei Pucheng, Pan Mu, Yu Hongmei, Hou Ming, Xing Danmin, Dong Hui, Jin Yinshi, Huang Ping, Chen Pei, Chen Yao, Li Songli, Liu Ran, Hu Lei, Tian Binglun, and Hou Xiangli.

The historical edition replaced by this Standard is as follows.

--- GB/T 28816-2012.

Fuel Cell - Terminology

1 Scope

This Standard provides uniform terminology in the forms of diagrams, definitions and equations related to fuel cell technologies.

2 Diagrams of Generalized Fuel Cell Systems

The overall design of the power systems anticipated by this Standard are formed by an assembly of integrated systems, as necessary, intended to perform designated functions, as follows.

3 Terms, Definitions and Abbreviations

Geometric area of the bipolar plate (3.9) perpendicular to the direction of current flow.

Area of the electrochemically accessible electrocatalyst (3.31) surface.

Ratio of the up-duration to the period of time under consideration.

English Index

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