

GB/T 33979-2017 质子交换膜燃料电池发电系统低温特性

产品名称	GB/T 33979-2017 质子交换膜燃料电池发电系统低温特性
公司名称	深圳市天润标准技术服务有限公司
价格	.00/件
规格参数	服务1:包通过 服务2:包整改 服务3:一次性收费
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产品详情

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离子交换膜燃料电池发电系统软件超低温特点测试标准 Test Methods for Proton Exchange Membrane Fuel Cell Power System at Subzero Environment

1 SCOPE

This standard specifies the general safety requirements, test conditions, test platform, routine tests before subzero test, subzero test method and test report of the proton exchange membrane fuel cell power system (PEM-FCPS) at subzero (below 0 ° C) environment. This standard applies to the tests for storage, startup and working performance of the PEM-FCPS with air as oxidant at subzero (below 0 ° C) environment. This standard is applicable to the integrated fuel cell power system. Note: the system is composed of some or all of the following components as needed to perform designated functions: Fuel processing system: the system that meters, conditions, processes, and regulates the pressure of the fuel required for the fuel cell power system. Fuel cell module: it consists of one or more fuel cell stacks, electrical coupling devices for transmitting electrical energy of the stack, and monitoring devices. Onboard energy storage device: the energy storage devices equipped in the system intended to aid or complement the fuel cell module in providing power to internal or external loads.

2 NORMATIVE REFERENCES

The following referenced documents are indispensable for the application of this document. For dated references, only the editions cited apply. For undated references, the latest editions of the normative document (including any amendments) apply. GB/T 18384.3-2001 Electric vehicles-Safety specification-Part 3: Protection of persons against

electric hazards GB/T 20042.2-2008 Proton exchange membrane fuel cell - General technical specification of fuel cell stacks GB/T 25319-2010 Fuel cell power system used for motor vehicles—Technical specification GB/T 27748.1 Stationary fuel cell power systems Part 1: Safety GB/T 27748.2-2013 Stationary fuel cell power systems—Part 2: Performance test methods GB/T 28816 Fuel cell—Terminology GB/T 30084-2013 Portable Fuel Cell Power System – Safety GB/T 31035 Test Methods for Proton Exchange Membrane Fuel Cell Stack at Subzero Environment

3 TERMS AND DEFINITIONS

For the purpose of this document, the terms given in GB/T 28816 and GB/T 31035 apply.