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ICS 27.160
CCS K83

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 19393-2003

Rating of direct coupled photovoltaic (PV) -- Pumping systems

直接耦合光伏（PV）扬水系统的评估

(English Translation)

Issued on: November 19, 2003 **Implemented on: June 1, 2004**

Issued by: General Administration of Quality Supervision, Inspection and Quarantine of the People Republic of China

Preview: page 1 of 4 shown, 8 in the full document. Complete English PDF, instant download:
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Table of Contents

[Preview only]
1 Scope
2 Normative references
3 Terms and Definitions
3.1 General Requirements
3.2 Construction Survey
3.3 Construction Planning
4.2 Construction Traffic
4.3 Structure, Materials and Equipment Transportation
4.4 Configuration of distributed resources
4.5 Grid structure and layout design
5 Neutron Fluence Rate Measurement
5.2 Neutron Detector
5.3 Neutron Fluence Rate Measuring Instrument
5.4 Neutron Fluence Rate Level-Related Alarms, Controls, and Shutdowns
5.5 Calibration and testing of neutron fluence rate measuring instruments
6 Temperature measurement
6.2 Fuel assembly temperature measurement
6.3 Moderator Temperature Measurement
6.4 Coolant temperature measurement
6.5 Temperature Measurements Important to Reactor Safety
6.6 Temperature protection instrument
6.7 Monitoring program
6.8 Environmental monitoring program
6.9 Emergency environmental monitoring
7 Coolant Measurement
7.2 Coolant flow measurement
7.3 Coolant pressure measurement
7.4 Coolant level measurement
7.5 Coolant Leakage Measurement
7.6 Coolant Purity Measurement
7.7 Coolant radioactivity measurement

Preview: page 2 of 4 shown, 8 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-19393-2003

8 Protection system
8.1 Introduction
8.2 Input-output diagram
8.3 Comprehensive Assessment of Energy-saving Design
9 Instrument power source
9.2 Reliable power system
9.3 Trial Run of Wind Turbine Generator System
9.4 Testing of Transformer

1 Foreword

GB/T 19393-2003 was issued by General Administration of Quality Supervision, Inspection and Quarantine of the People Republic of China on 19 November 2003 and has been in force since 1 June 2004.

The GB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 8 pages in English translation.

2 Scope Preview

This standard specifies the direct-coupled photovoltaic (PV) system is expected to short-term pumping characteristics (typical instantaneous and one day period), and provides on-site access to the minimum actual property value. This standard does not involve with a battery of photovoltaic (PV) pumping systems. Photovoltaic power generation system requirements (PVPGS) parameters and the data in Figure 1 the standards adopted by day, should the relevant standards being developed too Lu Day IEC standards.

GB/T 19393-2003 falls under ICS 27.160, in the field of energy and heat transfer engineering.

This catalogue holds 1,532 other GB/T standards in that field.

In this catalogue, GB/T standards carry edition years from 1963 to 2026.

3 About this standard

Sector: National Standard (Recommended)

Issued by: General Administration of Quality Supervision, Inspection and Quarantine of the People Republic of China

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English translation: about 8 pages (approximate)

Chinese original: about 3,393 characters

4 Related standards

Standards on related subjects:

GB/Z 46984.3-2026 - Photovoltaic cells - Part 3: Measurement of current-voltage characteristics of bifacial photovoltaic cells

GB/T 46984.1-2025 - Photovoltaic cells - Part 1: Measurement of light-induced degradation of crystalline silicon photovoltaic cells

GB/T 11010-2025 - Spectrum reference photovoltaic cells

GB 47740-2026 - Requirements for the nameplate labelling of photovoltaic modules

GB 47739-2026 - Safety requirements for photovoltaic modules

GB/T 19394-2025 - UV test for photovoltaic modules

5 Classification and status

International classification (ICS): 27.160

Chinese Standard Classification (CCS): K 83

Prefix GB/T: recommended standard.

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