Chinastandards.org

ICS 27.100
CCS P60

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 51381-2019

Design standard of flexible DC transmission converter station

柔性直流输电换流站设计标准

(English Translation)

Implemented on: December 1, 2019

Issued by: Ministry of Housing and Urban-Rural Development of the People's Republic of China;
State Administration for Market Regulation

Preview: page 1 of 4 shown, 50 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-51381-2019

Chinastandards.org

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, 50 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-51381-2019

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 51381-2019 was issued by Ministry of Housing and Urban-Rural Development of the People's Republic of China; State Administration for Market Regulation on 12 August 2019 and has been in force since 1 December 2019.

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 50 pages in English translation.

2 Scope Preview

It was issued by Ministry of Housing and Urban-Rural Development of the People's Republic of China; State Administration for Market Regulation.

GB/T 51381-2019 falls under ICS 27.100, 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: Ministry of Housing and Urban-Rural Development of the People's Republic of China; State Administration for Market Regulation

English translation: about 50 pages (approximate)

Chinese original: about 74,762 characters

Preview: page 3 of 4 shown, 50 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-51381-2019

Chinastandards.org

4 Classification and status

International classification (ICS): 27.100

Chinese Standard Classification (CCS): P 60

Prefix GB/T: recommended standard.

Preview: page 4 of 4 shown, 50 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-51381-2019