Chinastandards.org

ICS 27.100

NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB 50776-2012

Code for construction and acceptance of converter transformer in converter station at ±800kV and below

±800KV及以下换流站换流变压器施工及验收规范

(English Translation)

Issued by: State Administration for Market Regulation;
Standardization Administration of China

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-50776-2012

Chinastandards.org

Table of Contents

[Preview only]
1 General Provisions
2 Terms
2.1 General Requirements
2.2 Runoff
2.3 Flood
3 Administrative requirements
4 Equipment criteria
4.1 Wiring Mode 6
4.2 Associated Equipment and its Connection 8
5 Implementation rules
5.1 General Requirements 12
5.2 Capacitor 13
5.3 Switch 14
5.4 Fuse 15
5.5 Series Reactor 15
5.6 Discharge Coil 16
5.7 Lightning Arrester 17
5.8 Conductor and Others 17
6 Energy Conservation Management and Measures
6.1 Protection Device 18
6.2 Switching Device 21
7 Alternating Current Motor
7.1 Control Circuits and Signal Circuits 22
7.2 Measuring Instruments 22
8 Power Transformer
8.1 General Requirements 23
8.2 Arrangement and Installation Design for Shunt Capacitor Banks 25
8.3 Arrangement and Installation Design of Series Reactor 26
9 The Reactor and Arc Suppression Reactor
9.1 Fire Prevention 27
9.2 Ventilation 29

Preview: page 2 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-50776-2012

1 Foreword

GB 50776-2012 is issued by State Administration for Market Regulation; Standardization Administration of China.

The GB prefix, without a suffix, marks a mandatory standard: within its scope, compliance is required.

The document runs to 15 pages in English translation.

2 Scope Preview

GB 50776-2012 falls under ICS 27.100, in the field of energy and heat transfer engineering.

This catalogue holds 235 other GB standards in that field.

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

3 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of China

English translation: about 15 pages (approximate)

4 Classification and status

International classification (ICS): 27.100

Chinese Standard Classification (CCS): P 68

Prefix GB: mandatory standard.

Preview: page 3 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-50776-2012