Chinastandards.org

ICS 29.200
CCS K46

JB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JB/T 14052-2025

Bidirectional converter for DC energy storage system

直流储能系统用双向变流设备

(English Translation)

Issued on: July 2, 2025 **Implemented on: February 1, 2026**

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jb-t-14052-2025

Table of Contents

[Preview only]
1 Scope
2 Normative references
3 Terms and definitions
4 Technical requirements
4.1 General requirements
4.2 Model designation
6 Test methods
6.1 Factory inspection
6.2 Type inspection
7 Inspection rules
8 Marking, packaging, transportation and storage
8.1 Marking
8.2 Packaging

1 Foreword

JB/T 14052-2025 was issued by Ministry of Industry and Information Technology on 2 July 2025 and has been in force since 1 February 2026.

The JB/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 15 pages in English translation.

2 Scope Preview

This standard specifies the technical requirements for bidirectional converter equipment used in DC energy storage systems, describes the corresponding test methods, and specifies inspection rules, marking, instruction manuals, packaging, storage, and transportation. This standard applies to the manufacture of bidirectional converter equipment for DC energy storage systems in wind power generation, solar photovoltaic power generation, and microgrids, where the AC side voltage of the equipment does not exceed 1000V. The manufacture of bidirectional converter equipment for DC energy storage systems in other applications should refer to this standard.

Preview: page 2 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jb-t-14052-2025

JB/T 14052-2025 falls under ICS 29.200, in the field of electrical engineering.

This catalogue holds 619 other JB/T standards in that field.

In this catalogue, JB/T standards carry edition years from 1967 to 2026.

3 About this standard

Sector: Mechanical & Machinery Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

JB/T 14260-2022 - Technical Specification for Electrical Energy Router

GB/T 3859.1-2013 - Semiconductor converters -- General requirements and line commutated Converters -- Part 1-1: Specification of basic requirements

GB/T 13422-2013 - Semiconductor converters - Electrical test methods

JB/T 10097-2026 - Case for power semiconductor device

JB/T 10096-2026 - Cases for power semiconductor devices - Selection guidance

JB/T 14049-2025 - Low-voltage static reactive power generator

5 Classification and status

International classification (ICS): 29.200

Chinese Standard Classification (CCS): K 46

Prefix JB/T: recommended standard.

Preview: page 3 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jb-t-14052-2025