Do high and low voltage switchgear systems require 3C certification



Overview

New CCC-Relevant Standard for Low-Voltage Switchgear Published Without valid CCC certification, these products may neither be imported into China nor sold.

Key Takeaways

Low-voltage switchgear in China requires 3C (CCC) certification, while high-voltage switchgear may not fall under mandatory 3C but must comply with other safety and international standards.

Low-

Voltage SwitchgearLow-voltage (LV) switchgear and controlgear, such as switches, isolators, disconnecting switches, and fuse combinations, are safety-critical components in electrical systems. In China, these products are subject to China Compulsory Certification (CCC/3C) to ensure compliance with national safety and quality standards. Without valid CCC certification, LV switchgear cannot be imported, sold, or used in China.

The relevant standard for LV switchgear is GB/T 14048. 3-2025, which specifies requirements for switches and controlgear assemblies.

High-

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Voltage SwitchgearHigh-voltage (HV) switchgear, typically used in transmission and industrial applications, is not explicitly listed under the mandatory CCC catalog. However, HV switchgear must comply with international standards such as IEC 62271 and may require certification via recognized marks like ASTA or ETL for global market access, including Asia.

While CC

C certification is generally not mandatory for HV switchgear, manufacturers targeting the Chinese market should verify whether specific HV products are included in the CCC catalog or if local authorities require additional approvals. SummaryLV Switchgear: Mandatory 3C/CCC certification for import, sale, and use in China; compliance with GB/T 14048. 3-2025 is required.

H

V Switchgear: CCC certification is typically not required, but compliance with IEC standards and recognized certification marks (ASTA, ETL) is recommended for safety, quality, and market acceptance. Manufacturers and distributors should consult the latest CCC catalog and local authorities to confirm whether specific HV or LV switchgear models require certification before entering the Chinese market.

Article Content

New CCC-Relevant Standard for Low-Voltage Switchgear Published

Without valid CCC certification, these products may neither be imported into China nor sold or used there. The certification ensures that the products meet Chinese safety and quality

CNCA: Amendment of the standard for CCC certification of low

On 9 November 2023, the Certification and Accreditation Administration (CNCA) announced a new version of the GB Standard for low-voltage switchgear and switchgear assemblies

China Updates CCC Certification Requirements for Low-Voltage

Given the simultaneous revision of three major CCC certification standards and the extensive new testing requirements involved, manufacturers that have not yet completed certification

What core certification qualifications does the manufacturer need to ...

In addition, manufacturers should also hold the appropriate production licenses and business qualifications, which are essential prerequisites for legally engaging in the manufacture and

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China Compulsory Certificate

The CCC Mark is required for both Chinese-manufactured and foreign-imported products; the certification process involves the Guobiao standards (or just GB standards).

3C Certification in China: Requirements and Process

3C certification is mandatory in China and covers more than 150 categories, issued by designated entities such as CQC and CCAP. The process combines trials in China, factory audits, and annual

CCC Mark Certification

The 3C or "CCC" marking system requires manufacturers in over 132 product categories to obtain the CCC Mark before exporting to or selling in the Chinese market.

China Compulsory Certification — testxchange

CCC or 3C stands for China Compulsory Certificate, a mandatory certification required for exporting certain products to China. The main components of the initial certification are product testing in China

Does 3C Certificates Matter When Importing Circuit Breakers from

According to Chinese regulations, if a product appears in the official CCC Catalogue and is going to be manufactured, imported, sold, or used in business service places in China, it must

What are the main international standards for low-voltage electrical ...

The 3C certification is the most fundamental safety certification standard within China. Any product that falls within the mandatory certification catalog and is sold, imported, or

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Discover 6 key low voltage switchgear types. Get a buyer''s checklist for standards, FAT & TCO to avoid risks. Learn more to choose right.

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Switchgear

Segment Analysis High-voltage equipment posted the swiftest 7.86% CAGR outlook, while low-voltage equipment retained the largest 42.86% share of the switchgear market in 2025.

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ABB MNS Low Voltage Switchgear System Guide

Download the ABB MNS Low Voltage Switchgear System Guide to learn about its features, applications, and benefits. Explore the modular design, high reliability, and safety features of this switchgear system.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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