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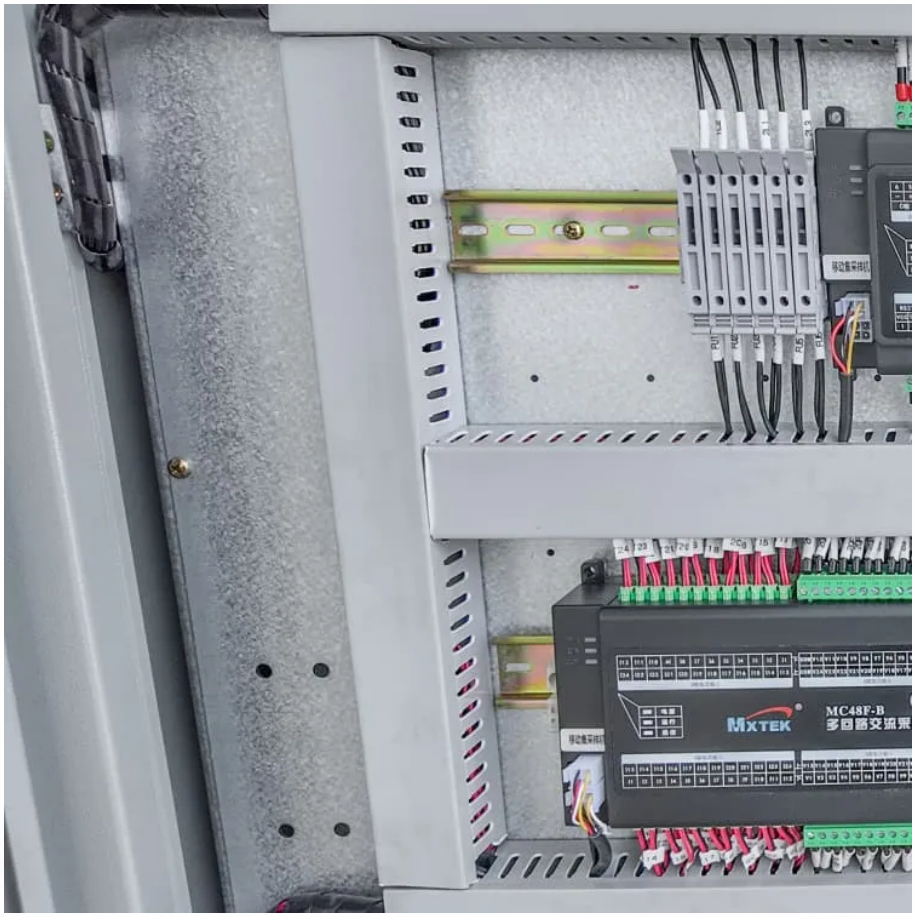
Full bridge mmc inverter power



Overview

What is a full-bridge MMC (external DC links) Block?

The Full-Bridge MMC (External DC Links) block implements a full-bridge modular multilevel converter with external DC links. The converter consists of multiple series-connected power modules. Each power module consists of one H-Bridge with external DC outputs. You can choose from three model types:.

What is a full-bridge MMC block?

The Full-Bridge MMC block implements a full-bridge modular multilevel converter. The converter consists of multiple series-connected power modules. Each power module consists of one H-bridge and one capacitor on the DC side. You can choose from three model types: Switching devices — The converter uses IGBT/diode pairs.

What is a full bridge inverter?

Full bridge inverter is a topology of H-bridge inverter used for converting DC power into AC power. The components required for conversion are two times more than that used in single phase Half bridge inverters. The circuit of a full bridge inverter consists of 4 diodes and 4 controlled switches as shown below.

What is a full-bridge converter block?

The Full-Bridge Converter block implements a full-bridge power converter. You can choose from four model types: Switching devices — The converter is modeled with IGBT/diode pairs controlled by firing pulses produced by a PWM generator. This model provides the most accurate simulation results.

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