

What is an XGMC distribution box



Article Overview

An XGMC distribution box is a configurable AC/DC power supply module enclosure that safely distributes electrical power to multiple circuits while allowing user-defined voltage and current settings.

Overview

The XGMC distribution box is part of the Advanced Energy/Excelsys XGMC series, which consists of AC/DC configurable power supply modules designed for flexible and precise power delivery . Unlike standard distribution boxes that simply route electricity, the XGMC box integrates power supply modules (powerMods) that convert input bus voltage into specific DC output voltages, which can be adjusted locally or remotely . This makes it suitable for applications requiring customizable voltage outputs, dynamic current limits, and advanced monitoring.

Key Features

- **Configurable Outputs:** Each module can be set to deliver specific voltages (e.g., 5V, 12V, 24V, 48V) and can be trimmed down to lower voltages as needed .
- **Parallel and Series Operation:** Modules can be connected in series or parallel to increase output voltage or current capacity.
- **User-Controlled Functions:** Includes adjustable current limits, dynamic voltage trim, enable/disable functions, and remote control capabilities .
- **Safety and Protection:** The enclosure acts as a protective distribution hub, similar to a traditional DB box, housing modules safely and preventing electrical faults such as overloads or short circuits

Article Content

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A distribution box ensures that electrical supply is distributed in the building, also known as a distribution board, panel board, breaker

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Complete Guide For Distribution Boxes Types

Distribution boxes, also known as electrical distribution boards or panels, are pivotal components in electrical systems, ensuring the

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Distribution board

The box pictured top-right is a " Wylex standard" fitted with rewirable fuses. These boxes can also be fitted with cartridge fuses or

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What is a Distribution Box? – A Comprehensive Guide

A distribution box organizes and controls power flow, ensuring safety and efficiency in electrical systems.

Contact Us

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