

500A distribution box



Article Overview

A 500A distribution box is a high-capacity electrical device designed to safely distribute large currents across multiple circuits, suitable for industrial, commercial, and high-power DC applications.

Overview

A 500A distribution box is used to centralize and manage electrical power from a main source to multiple outputs. It is commonly employed in solar installations, industrial control panels, and high-capacity battery systems. These boxes ensure safe, organized, and protected distribution of electricity, preventing overloads and short circuits.

Key Features

- **Current Rating:** Rated for 500A, capable of handling high-power loads safely .
- **Busbars:** Many models include copper busbars (positive and negative) for efficient current distribution. For example, DC busbar boxes can connect up to 4 batteries or inverters, each protected by 125A circuit breakers .
- **Circuit Protection:** Equipped with circuit breakers or fuses to protect individual circuits from overcurrent .
- **Terminals:** Accept a range of conductor sizes, often supporting copper or aluminum wires, with stud or screw connections for secure attachment .
- **Enclosure:** Typically made from flame-retardant, halogen-free materials, sometimes with transparent covers for safety and easy inspection .

Article Content

Mofeez Power Distribution Block Heavy Duty 500A Waterproof

Mofeez Power Distribution Block Heavy Duty 500A Waterproof Bus Bar with 2X 3/8" (M10) + 4X 5/16" (M8) Studs, 48V DC

Leipole 500A Modular Power Distribution Block (UKK500A)

Leipole 500A Modular Power Distribution Block (UKK500A), Find Details and Price about Junction Box and Halogen Free from

Leipole UKK500A High Current Distribution Box 500A

Max Capacity 500A Distribution Block The UKK500A is the highest capacity block, rated for 500A. It features a flat copper busbar input.

500A Distribution Block, 1 Pole, 12 Way, 690V, IP20

DIN rail mount distribution blocks Available in 80A, 125A, 160A, 250A, 400A & 500A IP20 Touch proof with hinged cover DIN rail or

500A Waterproof Power Distribution Block Box with M8 & M10 Studs

This 500A waterproof power distribution block features four M8 and two M10 studs in a sealed box, perfect for organizing 12V-48V

Metal electrical distribution box IP65 for wall mounting 500x400x200mm

Wall mounted electrical distribution box. Metal cabinet-style design with door. IP65 environmental protection, which allows the

1pc UKK-500A Power Distribution Block 500A High-Current DIN

About this item Terminal Blocks 1pc UKK-500A Power Distribution Block 500A High-Current DIN Rail Secure Terminal Industrial

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