

Specifications and Models of Portable Distribution Boxes



Overview

Portable Power Distribution Units & Boxes| LEX ProductsLex Products offers a full range of portable power distribution boxes and units, specifically engine.

Key Takeaways

Portable distribution boxes are mobile power distribution units designed for safe, flexible, and durable electrical distribution in industrial, construction, event, and outdoor applications.Overview

Portable distribution boxes, also called mobile power distribution units, are designed to distribute electrical power safely and efficiently in temporary or mobile setups. They are widely used in construction sites, industrial plants, outdoor events, marine applications, and emergency power setups. These units are built with rugged, waterproof housings, often featuring wheels, handles, and modular socket configurations for easy transport and deployment .

Key Specifications

- **Voltage and Frequency:** Commonly designed for AC 50Hz or 60Hz, with rated voltages ranging from 220V to 660V, depending on the model and application .
- **Current Ratings:** Portable boxes can handle 20–800 Amps, with some models offering adjustable current outputs to match specific load requirements .

- Protection Devices: Equipped with MCBs, RCDs, RCBOs, fuses, surge protective devices (SPDs), and isolators to ensure safety and prevent overloads or short circuits

.

- Enclosure Protection: Typically IP-rated for water and dust resistance, with materials resistant to UV, corrosion, and impact .
- Mounting and Mobility: Options include wheeled units, handles, and modular racks for easy transport and installation .

Common Models

- Load Master™ Series (Lex Products):
- Adjustable circuit breakers (1, 3, or 4)
- Compact, space-saving design
- cULus listed to UL 1640 standards
- Suitable for dynamic, temporary applications
- WEIPU Portable Distribution Box:
- Rugged waterproof housing
- Multiple socket modules
- Optional wheels and handles
- Designed for harsh outdoor environments
- Low-Voltage Fixed Switchgear:
- GGD series: High breaking capacity, AC 50Hz, 380V, used in substations and power plants
- GDH series: Similar low-voltage fixed switchgear with manufacturer-specific parameters
- PGL series: Stable power supply for industrial and commercial use
- Low-Voltage Withdrawable Switchgear:
- GCK series: Power distribution and motor control, AC 60Hz, 660V
- GCS series: AC 50Hz, 400V, suitable for high-consumption systems like power plants and high-rise buildings
- MNS series: Compact, stable performance for industrial, mining, and hotel applications
- Panasonic Modular Distribution Boxes:
- Modular 16- or 32-module options
- Horizontal and vertical expandability

- Flush or surface mounting
- Flame-retardant materials with transparent or opaque covers
- Suitable for energy distribution and multimedia connections

Applications

- Industrial and Construction Sites: Temporary power supply for machinery, lighting, and tools.
- Events and Entertainment: Flexible power distribution for concerts, festivals, and outdoor gatherings.
- Marine and Outdoor Use: Waterproof and corrosion-resistant units for harsh environments.
- Emergency and Temporary Installations: Quick deployment for disaster relief or temporary facilities.

Selection Considerations

When choosing a portable distribution box, consider:

- Load requirements: Total current and number of circuits
 - Environmental conditions: IP rating, UV and corrosion resistance
 - Mobility needs: Wheels, handles, and compact design
 - Safety standards: Compliance with UL, IEC, or local codes
 - Future expansion: Modular or expandable designs for additional circuits
- Portable distribution boxes combine safety, flexibility, and durability, making them essential for temporary or mobile power distribution in diverse applications.

Article Content

Portable Power Distribution Units & Boxes| LEX Products

Lex Products offers a full range of portable power distribution boxes and units, specifically engineered for indoor and outdoor use for

Portable Electrical Distribution Box: Applications, Specifications ...

A portable electrical distribution box is a mobile power distribution device designed specifically for temporary power

Portable Power Distribution Boxes

Portable power distribution boxes are the first in the industry to feature outputs with adjustable current

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The 30-amp Bento Box electrical power distribution system represents an intelligent solution for professionals looking for reliable and

Portable Power Distribution Systems

The Walther power distribution system is also available fused, with RCD's GFCI breakers or practically any

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Everything You Need to Know About Temporary Power

A temporary power distribution box is the perfect blend of functionality and security. Any

Distribution Box Guide: Types, Components & Solutions

Understand distribution boxes (DB boxes) in 5 minutes. Learn about types, components, functions, and uses. Find

Distribution Box

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Power Distribution Boxes

Power Distribution Boxes Types Portable Distribution Boxes Compact and mobile units designed for

Industrial Applications PORTABLE POWER DISTRIBUTION

Load Master® Series Adjustable Circuit Breakers The first portable power distribution box featuring outputs with adjustable current

Portable Power Distribution

The portable power distribution lineup of products is built to withstand heavy use and harsh conditions while providing flexible

Products

Browse all Logitech products. Award-winning, beautifully designed peripherals for everyone at work, home, and school.

Amazon : Power Distribution Box

Browse power distribution boxes with circuit breaker protection and multiple outlet configurations. Shop durable solutions for

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Distribution Box Specifications And Models

3. Other common distribution boxes XL, GXL series: Low-voltage distribution cabinets,

Outdoor Electrical Distribution Box Specifications: NEC

Complete specification guide for outdoor electrical distribution boxes covering NEC Article

Expert Guide: Select the Right Temporary Power Distribution Box

The right distribution box that matches your power requirements, durability needs, and weather resistance will give optimal

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PowerHOUSE Load Master Series | LEX Innovations

Load Master® portable power distribution boxes are available in both single and multiple adjustable circuit

Tuff Boxes

Trystar provides reliable power distribution solutions for the construction industry, including custom panels,

Power Distribution Units

Power Distribution Units Oscar "Spider" Distribution Boxes, 30 - 50 Amp Non-Metallic Distribution Boxes, 20 - 300 Amp PPB -

Industrial Applications PORTABLE POWER DISTRIBUTION

This box can be fed directly from a generator or from a larger box and is able to provide temporary power in disaster relief,

GMS Portable Power Distribution Centers - GMS Power Distro

Portable power distribution boxes and electrical cords for contractors use. All 20 Amp

Portable Power Box Industrial Distribution Board: Structure ...

A portable power box or industrial distribution board is a crucial electrical system used to safely distribute power across

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