Power Inlet Distribution Box



Overview

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

Key Takeaways

A Power Inlet Distribution Box safely distributes electricity from a generator or utility source to multiple circuits, providing portable or permanent power solutions for homes, job sites, and outdoor events.

Overview

A Power Inlet Distribution Box is a device that allows you to connect a generator or utility power source to multiple electrical circuits safely. It acts as an intermediary between the power source and the devices or circuits that need electricity, ensuring proper load distribution and protection against overloads and faults. These boxes are commonly used in construction sites, outdoor events, emergency backup situations, and residential generator setups.

Key Features

Multiple Outlets: Most boxes include several 120V GFCI-protected duplex outlets and one or more 120/240V twist-lock or locking outlets for higher-power equipment.

High-

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Capacity Inlets: They often feature a 50A or 30A inlet to connect to a generator or utility source, supporting heavy loads up to 12,500 watts in some models. Safety Protections: Built-in circuit breakers, surge protection, and ground-fault protection help prevent electrical hazards. Durable Construction: Heavy-duty steel or metallic enclosures with powder-coated or weather-resistant finishes protect against corrosion and outdoor elements.

Portable and Outdoor-

Ready: Many boxes include spring-loaded, weatherproof covers and compact designs for easy transport and outdoor use.

Applications

Construction Sites: Distribute power to tools and equipment safely across multiple circuits. Outdoor Events: Provide reliable electricity for lighting, sound systems, and other temporary setups. Home Backup Power: Connect a portable generator to a home panel or circuits during power outages using a manual transfer switch.

R

V and Recreational Use: Some boxes include adapters for RV hookups, allowing flexible power distribution.

Examples of Popular Models

Champion Power Equipment 201174: Features six 120V GFCI duplex outlets, one 120/240V twist-lock outlet, 50A inlet, and adapters for 30A and 50A RV connections. Includes surge protection and circuit breakers for safety. Leviton The Box PB103-W: Offers six weather-resistant 120V GFCI outlets, one 30A locking outlet, and a 50A California-style inlet, designed for portable and outdoor use.

Duro

Max XP50PB: Compact metallic box with 50A inlet, NEMA 3R outdoor-rated cabinet, spring-loaded cover, and compatibility with manual transfer switches for home backup power. Eaton EGSPIB30: Standard 30A single-phase power inlet box suitable for smaller applications.

Conclusion

A Power Inlet Distribution Box is an essential tool for safely managing electricity from generators or utility sources, offering multiple outlets, overload protection, and durable construction. Choosing the right model depends on your power requirements, portability needs, and the type of devices or circuits you plan to power.

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Article Content

Electrical Distribution Boxes for Power Distribution | Wieland

The Wieland distribution boxes, ic compliance to IEC 61439, together with our installation connector systems, in compliance to IEC 61535, as well as its system components form the nervous system of

Power Distribution Box with 50A 125/250V CS6375 Inlet, 50A

About this item High-Performance Power Distribution Box: Includes (1) 50A CS6375 twist-lock inlet, (1) 50A CS6375 outlet, and (6) 20A GFCI-protected duplex receptacles, perfect for reliable industrial,

Amazon : Power Distribution Box

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

EGSPIB30 | Eaton power inlet box | Eaton

Products Low-voltage power distribution and control systems Portable and temporary power solutions Power inlet boxes EGSPIB30

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 the

Pre-wired 30A or 50A Power Inlet Box NEMA 3R

The Connecticut Electric Power Inlet includes a pre-wired flanged inlet for easy installation and is compatible with Siemens HR Series Conduit Hubs. Both the

Leviton Power Distribution Box

Leviton Power Distribution Boxes deliver portable power when and where you need it. Built to withstand the heavy abuse in typical construction sites, entertainment venues, or anywhere requiring remote

Southwire 6506UGSX :: Power Distribution Box, 50A

The X-TREME BOX™ portable power distribution center is intended for connection to a split-phase 125/250V 50A power source. This source may be a generator or

Power intlet box technical | Backup power, UPS, surge & IT power ...

Eaton''s power inlet boxes are ideal for indoor and outdoor applications, and provide a safe means to getting electricity from your portable generator to your manual transfer switch.

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5 Industrial-Grade Power Inlet Boxes That Pros Swear By

Discover the top 3 industrial power inlet boxes for construction sites. Expert-tested models deliver reliable power distribution, weather protection, and OSHA compliance for safe operations.

Spider Boxes | Temporary Power | Hubbell Wiring Device-Kellems

Explore Hubbell Wiring Device-Kellems'' spider boxes, built to provide reliable and versatile temporary power solutions in demanding environments like construction sites and outdoor events. These

Generator Inlet Boxes

Get free shipping on qualified Generator Inlet Boxes products or Buy Online Pick Up in Store today in the Electrical Department.

Amazon : Power Distribution Box

Joinfworld Power Distribution Box,50A 125V/250V NEMA SS2-50 CS6375 Inlet, 30A Circuit Breaker, Individually Controllable Sockets, Heavy - Duty Waterproof Enclosure with Cooling Fan Recycled

50 Amp Inlet, 8 Receptacle Power Distribution Box

Make a powerful appearance to your living space with the selection of this Champion Power Equipment Inlet Power Distribution Box.

Quality Portable Distribution Box & Mobile Power Distribution Box ...

China leading provider of Portable Distribution Box and Mobile Power Distribution Box, ZHEJIANG HANBEN ELECTRICAL CO., LTD. is Mobile Power Distribution Box factory.

Freightliner Power Distribution Module

The A66-03715-009 is an auxiliary Powernet Distribution Box featuring a cutoff switch. This component is used to manage and distribute electrical power in a system. It has dimensions of 122.20 mm in

Heavy-Duty 50 Amp Power Distribution Box – 125/250V, SS2-50P Inlet ...

Heavy-Duty 50 Amp Power Distribution Box – 125/250V, SS2-50P Inlet, IP67 Waterproof, (8) 20A GFCI 5-20R Receptacles & (2) 30A Locking Outlets for Jobsite, Generator, RV, Outdoor Use

50A Power Distribution Box

The Champion Power Equipment high-capacity power distribution box is perfect for construction sites, outdoor events, and wherever reliable power is a must. With

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