

Stage power distribution box



AI Overview

A stage power distribution box safely distributes electrical power to multiple stage devices, acting as a central hub for lighting, audio, and other live event equipment.

Purpose and Function A stage power distribution box, often called a distro box, takes incoming electrical service and breaks it into multiple branch circuits for stage and front-of-house equipment. It ensures that each device receives the correct voltage and amperage while protecting against overloads and electrical faults. These boxes are essential for live events, concerts, theater, and touring productions, where fluctuating and high-power demands exceed standard building panels.

Key Features

- Multiple Circuits and Outlets:** Provides Edison outlets, REAN® connectors, or specialized pin & sleeve connectors to accommodate audio racks, amplifiers, lighting fixtures, video walls, and backline equipment.
- Safety Components:** Includes overcurrent protection, grounding, indicator lights, and test points to prevent electrical hazards.
- Portability:** Many boxes are built in rugged, ATA-style cases with wheels and handles for easy transport and quick setup.
- Durable Construction:** Typically made from powder-coated steel or thermoplastic resin to withstand heavy use and environmental stress.
- Mounting Options:** Some boxes include M10 threaded inserts for truss clamps, allowing secure installation on stage structures.

Power Considerations

- Single-Phase vs. Three-Phase:** Single-phase power suits smaller venues, while three-phase power is more efficient for large-scale productions, providing higher capacity with smaller gauge wiring.
- Load Planning:** Properly matching the distro box to the incoming service and total load is critical. Misalignment can lead to overloaded circuits, adapter stacks, and setup delays.

Connector Types: Common connectors include Edison duplex outlets, REAN® X Series, KUPO® 19-pin SOCO, and cam-type connectors, depending on the equipment and venue requirements.

Selection Tips

- Assess Total Load:** Calculate the combined...

Article Content

One-Stop Solution for Stage Power Distribution Box Needs

At JHW Electric, we specialize in stage power distribution boxes tailored for entertainment venues, ensuring seamless power management for

10 Best Stage Power Distribution Boxes for Reliable Performance on

With the right stage power distribution box, your performance can shine—discover the top 10 options that promise reliability and safety for your gear.

Stage Power Distribution Box: Safe & Reliable Solutions

Find the best stage power distribution box for events, theaters, and venues. Explore features like IP65 protection, triple-phase input, and wireless monitoring. Click to discover top-rated,

Stage Power Distribution Science: The Key to Efficiency and Safety

Stage power distribution is essential for safe and efficient live events. With multi-circuit outputs, Socapex connectors, and Edison boxes, professionals can streamline setups and prevent

What is a Stage Power Distribution Box? Sxpowercase

Discover the essential role of stage power distribution box in live events. Ensure safety, efficiency, and reliable power for all your equipment.

Stage Power Distro Box Guide: Expert Selection

The infographic above illustrates how to choose the right stage power distribution box. Venue size, power capacity, and the number of circuits needed

Entertainment Power Distribution Products | LEX

Fed from a larger power source, this compact production and concert power distribution unit merges the power functions of a studio/location “lunch box” with

24 Way 63A Stage Power Distribution Boxes

24 Way 63A Stage Power Distribution Boxes Reliable Stage Power Distribution Solutions from SX Ensure your events run smoothly with SX's high-quality stage

Portable Power Distribution

All mounted inside a rugged Northern Case ATA-style rack case on casters, for safe, easy transport and use. Whatever your power needs, count on Entertainment

Expo Panels – Event, Stage Power Distribution Boxes – Expo Panels ...

Our Expo Panels provide portable power distribution solutions for indoor event centers including conventions, concerts, trade shows and more. From standard configurations to customizable options,

Electrical Distribution/Distro Boxes

Electrical Distribution / Distro Boxes Invest in a quality distribution box if you're working away from a set or studio, or in any environment where you need temporary, portable power. Distro boxes are

How to Choose the Right Stage Power Distribution

Learn how to choose the right stage power distribution boxes for your event, considering power needs, safety features, and SX's reliable solutions.

Stage Power Drops & SOCO Drops

Power Drop Customization We offer customization on all our Stage Power Drops. It has no impact on lead times and makes identifying and organizing your gear so much easier. Make your Power Drops

Stage Power Box: Reliable & Waterproof Distribution Solution

Discover top-rated stage power boxes with IP65 waterproofing, surge protection, and multiple outputs. Find verified suppliers, compare prices, and click to source high-quality solutions for

The Working Principle of a Stage Power Distribution

The stage power distribution box is an indispensable component in the world of live events and productions. Its role in receiving, regulating,

3 Power Distribution Tips for Beginners

Stage lights, as we've discussed earlier in this blog, can use a ton of energy and therefore require robust sources of power. The main difference between lighting distribution boxes and other

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Power Distro Stock Boxes

Power Distro Stock Boxes Standard Stock & Bespoke Distro Portable Event Power Distribution Units are designed and manufactured for use within the Film, TV,

Power Distribution | StageLightingStore

Power Distribution Electricity has to get from point A to point B. In the theatrical world we call this power distribution. It can be as simple as an extension cord, or as complicated as power distribution boxes

Choosing a Power Distribution Box for Concerts | Stage

Learn how to choose the right power distribution box for concerts and live events. Discover key factors like amperage, phase, connectors, safety

Stage Electrics – Lighting Distro for Dummies

A stage electrics system is just like any other power distribution. It starts with a very large supply and cascades it down through various types of protection until it arrives where it is needed via

Contact Us

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