

Temporary power meter for distribution box



AI Overview

Temporary power meters and distribution boxes provide safe, portable electricity for construction sites, RV parks, and other temporary setups, available in metered and unmetered configurations with various amperage and voltage options.

Overview Temporary power boxes, also called power outlet panels (POPs), are designed to distribute electricity safely in locations where permanent wiring is not yet installed. They are commonly used on construction sites, job sites, and RV parks and can be either metered (allowing utility monitoring) or unmetered (direct power distribution) depending on local requirements and utility approval.

Types and Configurations

- Metered Temporary Power Boxes:** Include a meter socket to measure electricity usage. They are available in top-feed or bottom-feed designs and can support single-phase 120/240V service with amperages ranging from 30A to 200A.
- Unmetered Temporary Power Boxes:** Provide direct power distribution without a meter. They often include multiple receptacles such as 50A 14-50R, 30A TT-30R, or 20A GFCI outlets and are suitable for temporary connections where metering is not required.
- Portable Construction Power Boxes:** Lightweight, durable enclosures designed for easy transport and setup, often with twist-lock or standard receptacles and circuit breaker protection.

Key Features

- Enclosure Ratings:** Most temporary power boxes are NEMA 3R rated, providing rainproof and weather-resistant protection for outdoor use.
- Amperage and Voltage:** Common configurations include 50A 120/240V, 30A 120V, and 20A 120V circuits, often with GFCI protection for safety.
- Mounting Options:** Can be surface-mounted, pole-mounted, or pedestal-mounted, depending on site requirements.
- Safety Considerations:** Always confirm local utility approval for metered installations. Circuit breakers and proper grounding are essential for safe o...

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Everything You Need to Know About Temporary Power

What are some common applications for temporary power distribution boxes? We'll explain how they work and benefit your business. Learn more here!

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A Guide to Temporary Power Distribution Boxes | ATI Electrical

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