Custom-made temporary power distribution boxes for construction sites

Overview

Construction Site Power Distribution Solutions | Power Adjust quickly as your site evolves with our portable power panels and distribution boxes. Designed.

Key Takeaways

Temporary power distribution boxes provide safe, portable, and durable electrical access for construction sites, supporting multiple tools and equipment with built-in protection features.

Overview

Temporary power distribution boxes, also known as portable power panels or power outlet panels (POPs), are designed to extend electrical access safely on construction sites, outdoor projects, and temporary setups. They are built to withstand harsh environments, including exposure to weather, dust, and rough handling, while providing reliable power for multiple devices simultaneously ( ).

Key Features

Durable Construction: Most units are made from heavy-duty steel or reinforced materials with corrosion-resistant coatings to endure rugged job site conditions ( ).
Multiple Receptacles: Configurations often include a mix of 120V, 240V, 30A, 50A, and twist-lock outlets to accommodate standard tools, RVs, and larger equipment ( ).
Built-in Protection: Individual circuit breakers and ground-fault protection (GFCI) ensure safety for users and connected equipment ( ).

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Portability: Many boxes are designed for easy transport and quick setup, with prewired connections and weatherproof enclosures ( ). Flexible Mounting Options: Units can be surface-mounted, pedestal-mounted, or pole-mounted, with top or bottom feed options depending on site requirements ( ).

Popular Applications

Construction Sites: Powering tools, lighting, and temporary office trailers. Outdoor Events: Providing electricity for stages, sound systems, and vendor equipment.

R

V Parks and Temporary Camps: Supplying safe, code-compliant power to recreational vehicles or temporary housing ( ).

Product Examples

Champion Power Equipment Box: Features a 50A twist-lock inlet, six 120V GFCI duplex receptacles, and a 120/240V 30A locking outlet, with individual overload protection ( ).

Southwire X-

Treme Box: Rugged steel construction with six 5-20 U-Ground receptacles and GFCI protection, suitable for outdoor reliability ( ). Loveinlast Temporary Power Panel: Prewired, weatherproof, with 20, 30, and 50 amp sockets and integrated breakers for rapid deployment ( ). Talon Power Outlet Panels: Enclosed receptacles ideal for campgrounds, portable generators, or 50A service needs ( ).

Considerations for Selection

Load Capacity: Ensure the box can handle the total amperage of all connected devices. Compatibility: Verify that receptacle types match your tools, generators, or temporary power sources. Safety Compliance: Check for GFCI protection, circuit breakers, and adherence to local electrical codes.

Environmental Resistance: Choose weatherproof and corrosion-resistant models for outdoor use. Temporary power distribution boxes are essential for efficient, safe, and flexible power management on construction sites, allowing teams to maintain productivity while protecting both personnel and equipment ( ).

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