Dimensions of outdoor temporary power distribution boxes



Overview

SShtD18511000GN_CenturyPower Tech®'s Temporary Power Distribution Box is used by contractors on jobsites (indoor or outdoor) to provide and distribute powe.

Key Takeaways

Outdoor temporary power distribution boxes typically range from 18–36 inches in height, 12–24 inches in width, and 8–18 inches in depth, depending on amperage and outlet configuration.

Typical Sizes and Configurations

Temporary power distribution boxes, also known as spider boxes or portable power units, are designed for rugged outdoor use on construction sites, events, and industrial applications. Common dimensions vary by manufacturer and model: Small units: Often used for light-duty applications, these boxes may measure approximately 18–24 inches high, 12–18 inches wide, and 8–12 inches deep. They typically include multiple 15/20A outlets and one or two 30A twist-lock receptacles (Power Tech®).

Medium units: Designed for moderate loads, these boxes are usually 24–30 inches high, 16–20 inches wide, and 12–16 inches deep, with a combination of 20A, 30A, and sometimes 50A outlets (Southwire, Hubbell). Large units: Heavy-duty or high-amperage boxes, such as Lex Products Load Master® series, can reach 30–36 inches in height, 20–24 inches in width, and 14–18 inches in depth, supporting 60–800 Amps with multiple adjustable circuit breakers and 3-phase connections.

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Design Considerations

Material: Most outdoor boxes are made from impact-resistant steel or heavy-duty polymer with weatherproof coatings to resist rust and UV damage. Portability: Many units include handles or wheels for easy transport, especially for medium and large boxes. Safety Features: GFCI protection, circuit breakers, and weatherproof covers are standard to ensure safe operation in wet or dusty environments.

Color and Visibility: Bright colors like yellow or green are common to enhance visibility on job sites.

Summary

While exact dimensions vary by manufacturer and amperage, most outdoor temporary power distribution boxes fall within 18–36 inches in height, 12–24 inches in width, and 8–18 inches in depth. When selecting a box, consider load requirements, number and type of outlets, portability, and environmental durability to ensure safe and efficient temporary power distribution.

Article Content

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The design shown in the reference images brings together an IP-rated outdoor electrical enclosure, industrial CEE socket distribution box layout, elevated stand, emergency stop button,

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