

Standard Dimensions of Park Electrical Distribution Boxes



Overview

Electrical DB Box Size Guide 2026 This report provides a comprehensive analysis of electrical distribution board (DB) box sizes, Outdoor Electrical Distrib.

Key Takeaways

Outdoor electrical distribution boxes in parks typically range from small 12"x12"x6" enclosures to large 48"x36"x12" panels, depending on amperage and circuit requirements. Standard Dimensions and Capacity

Outdoor electrical distribution boxes, also called panelboards or load center enclosures, are designed to split incoming power into multiple branch circuits for outdoor installations such as parks, lighting, and fountains. Their size depends on:

- Amperage rating: Common residential or small park boxes are 100–200 amps, while larger park installations may require 400–600 amps or more. Higher amperage requires larger busbars and more space for breakers, increasing enclosure size .
- Number of circuits: A box serving multiple lighting circuits, irrigation systems, or recreational facilities will be physically larger to accommodate more breakers.



- Environmental protection: Outdoor boxes must meet NEC Article 312 requirements for wet locations, typically using NEMA 3R or NEMA 4 enclosures to ensure rain-tight protection. This can influence the depth and width of the box .

Typical Sizes

- Small park boxes: 12-18 inches wide, 12-18 inches high, 6-8 inches deep; suitable for 100-200 amp service with 6-12 circuits.
- Medium park boxes: 24-36 inches wide, 24-36 inches high, 8-12 inches deep; suitable for 200-400 amp service with 12-24 circuits.
- Large park or municipal boxes: 36-48 inches wide, 36-60 inches high, 12-18 inches deep; suitable for 400-600+ amp service with 24-48 circuits .

Additional Considerations

- Material: Outdoor boxes are usually made of powder-coated steel or stainless steel to resist corrosion.
- Mounting: Can be pole-mounted, wall-mounted, or pad-mounted depending on park layout.
- Code compliance: Must follow NEC Article 312 and local amendments, such as the New York City Electrical Code, for safety, labeling, and inspection . In summary, the exact size of a park's electrical distribution box varies based on amperage, number of circuits, and environmental requirements, but standard outdoor enclosures range from compact 12"x12"x6" units to large 48"x36"x12" panels for municipal parks. Proper selection ensures safety, durability, and code compliance.

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