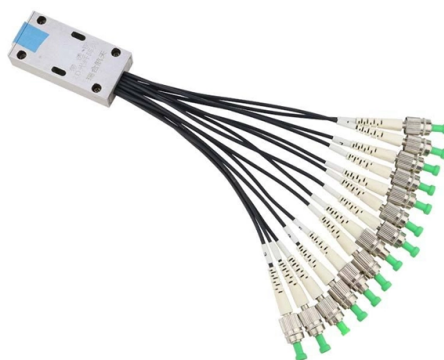


## Commonly Used Distribution Box Sizes Specifications and Prices



### Overview

This document provides specifications for various distribution boxes including dimensions, mounting sizes, and number of ways.

### Key Takeaways

Distribution boxes vary in size, type, and price depending on capacity, material, and application, ranging from small 1-way residential units to large 36-way industrial panels.

Distribution boxes, also known as electrical distribution boards or panels, come in various types including TOP-TS, TOP-TF, TOP-LS, TOP-PS, TOP-PF, and TOP-S, with configurations ranging from 1-way to 36-ways. Dimensions typically include length, width, and height, and mounting options can be flush-mounted or surface-mounted depending on installation requirements. Modern designs often feature compact, modular layouts suitable for residential, commercial, and industrial applications, with IP ratings such as IP65 or IP66 for outdoor or harsh environments. Plastic distribution boxes, like the JUNON C6 series, are popular for single-phase installations and include components such as cover, frame, base box, guide rail, neutral copper bar, and earth copper bar. They are available in 32-amp or higher capacities and can be installed either flush or on the wall surface. Industrial and mining applications often use closed vertical installation boxes with higher protection levels.

### Material and Features

Distribution boxes are typically made from steel, aluminum, or high-quality plastic, with corrosion-resistant and lightweight options available for specific environments. Advanced features may include circuit breakers, fuses, surge protection, smart monitoring, and modular expansion capabilities . Compliance with safety standards such as IEC 61439 or UL 508A is essential for operational safety and reliability .

### Pricing

The cost of distribution boxes varies widely based on capacity, material, number of circuits, and additional features. Basic residential plastic boxes may start at \$20-\$50, while larger industrial or modular units with advanced safety features can range from \$200 to \$1,000 or more . Factors influencing price include load capacity (amperes), number of ways, IP rating, and material quality. Professional installation is recommended to ensure safety and longevity.

### Selection Guidelines

When choosing a distribution box, consider:

- Number of circuits required for your installation
  - Load capacity in amperes
  - Environmental exposure (IP rating for dust and water protection)
  - Material durability (plastic, steel, aluminum)
  - Compliance with safety standards
  - Future scalability for additional circuits or smart monitoring integration
- Selecting the right size and type ensures operational safety, system reliability, and cost efficiency over the long term.

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