What is the price of a 24-circuit distribution box



Overview

About this item IP66 RATED EFFICIENT AND WATERPROOF: Our 24 Way circuit breaker protective box housing is made of ABS material and is IP66 engineering grade waterproof.

Key Takeaways

A 24-circuit distribution box typically costs between $100 and $500 for standard residential or light commercial units, with higher-end or industrial models costing more.

Price Range and Factors

The cost of a 24-circuit distribution box depends on several factors, including material, configuration, and included components. Basic plastic or ABS enclosures with standard circuit breakers can start around $100–$150, while more durable, weatherproof, or IP66-rated boxes can range from $200–$500 or higher for premium models with advanced features like transparent covers, RCDs, or integrated surge protection. Industrial-grade steel or stainless steel panels with multiple safety certifications and higher amperage capacity can cost significantly more, sometimes approaching the price of a small vehicle when fully equipped.

Installation and Additional Costs

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Professional installation is a major part of the total cost. For residential upgrades, labor can range from $1,300 to $1,800, while complex commercial or industrial setups may require weeks of labor and additional permit fees. Retrofitting older buildings may add 15–20% to the total project cost due to hidden wiring or structural adjustments.

Features Affecting Price

Material: ABS plastic is cheaper, while powder-coated steel or stainless steel is more expensive. Waterproofing: IP65/IP66-rated boxes for outdoor use carry a premium. Internal Components: Empty shells are cheaper; adding high-quality breakers, busbars, and RCDs increases cost.

Phase Configuration: Single-phase SPN panels are less expensive than three-phase TPN panels used in industrial settings. Smart Features: Advanced monitoring, load management, or integration with building management systems can further increase the price.

Summary

For a standard 24-circuit distribution box suitable for residential or small commercial use, expect to pay $100–$500 for the unit itself, with installation and additional components potentially raising the total cost to $1,500–$2,000 or more depending on complexity and location. For industrial or high-capacity applications, costs can be significantly higher due to materials, certifications, and labor requirements.

Article Content

24 Way Distribution Protection Box, 270 x 350 x 105mm IP66

About this item IP66 RATED EFFICIENT AND WATERPROOF: Our 24 Way circuit breaker protective box housing is made of ABS material and is IP66 engineering grade waterproof. It is also snow and

24 way distribution panel box

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Distribution Box Cost Guide: Value & Features

The distribution box cost typically ranges from affordable basic models to premium solutions, depending on capacity, features, and specifications. These critical

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Distribution Boards | Distribution Panels | RS

Maximum Current Rating – Typically ranges from 63A to 125A+. Number of Ways – Indicates circuit capacity; options range from 4 to 24+ ways. RS offers a wide selection of distribution boards, suitable

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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