

Price of a complete 3-circuit distribution box

Article Overview

A 3-circuit distribution box typically ranges from \$20 to \$150, depending on material, amperage, and features.

Price Range and Factors

The cost of a 3-circuit distribution box varies widely based on specifications and quality. Basic plastic enclosures for residential use may start around \$20-\$50, while metal enclosures with higher durability, IP ratings, or integrated circuit breakers can range from \$80 to \$150 or more . Industrial-grade or weatherproof models with advanced features like surge protection, modular design, or smart monitoring can exceed this range . Key factors influencing price include:

- o Material: Plastic (ABS) is cheaper; galvanized or stainless steel is more expensive .
- o Amperage rating: Common ratings are 63A, 100A, or 250A; higher ratings increase cost .
- o IP rating: Higher ingress protection (e.g., IP65) for outdoor use adds to the price .
- o Included components: Pre-installed MCBs, RCCBs, or surge protection devices increase cost .
- o Brand and certifications: Compliance with IEC, UL, or CE standards can affect pricing .

Purchasing Options

Distribution boxes are available from multiple sources:

- o Online marketplaces like Amazon and Home Depot offer a variety of 3-phase and single-phase breaker boxes suitable for residential and light commercial use .
- o Bulk suppliers or manufacturers may offer lower per-unit prices for large orders, sometimes as low as \$1.50-\$2.50 per unit for high-volume industrial purchases, though these are typically for large-scale projects .

Additional Considerations

When selecting a 3-circuit distribution box, consider:

- o Installation costs: Professional installation ensures safety and compliance.
 - o Future expansion: Modular designs allow adding circuits later.
 - o Warranty and support: Reputable suppliers provide technical assistance and replacement parts .
- In summary, a 3-circuit distribution box generally costs between \$20 and \$150, with the final price influenced by material, amperage, IP rating, included components, and supplier. For industrial or high-volume purchases, prices can be significantly lower per unit.

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The distribution box cost typically ranges from affordable basic models to premium solutions, depending on

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This table highlights the diversity in pricing, driven by factors like material (metal vs. plastic), complexity, number of

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