

# Pricing of Distribution Box Shell

## Article Overview

Distribution box shell prices typically range from \$20-\$500 per unit depending on material, size, and application, with industrial-grade or weather-resistant units costing more.

## Typical Price Ranges

- o Residential Plastic Shells: Basic ABS or PVC plastic shells for single-phase residential units generally cost \$20-\$100 per unit, depending on size and IP rating for moisture protection .
- o Commercial/Industrial Metal Shells: Powder-coated steel or stainless steel enclosures for three-phase or high-capacity systems range from \$150-\$500 or more per unit, reflecting durability, corrosion resistance, and compliance with safety standards .
- o Custom or OEM Units: Customized shells with specific dimensions, busbar configurations, or branding can increase costs, with per-unit pricing decreasing for bulk orders .

## Factors Affecting Pricing

- o Material Construction: Plastic shells are cheaper but less durable; steel or stainless steel shells offer higher longevity and corrosion resistance, especially in outdoor or industrial environments .
- o Size and Capacity: Larger shells accommodating more circuits or higher amperage increase material and manufacturing costs .
- o Weather and Environmental Ratings: Outdoor-rated or IP-certified enclosures for moisture and dust protection carry a premium .
- o Integrated Features: Smart monitoring, surge protection, or remote control modules add to the base shell cost .
- o Volume and Procurement Method: Wholesale or bulk orders reduce per-unit costs, while custom or low-volume orders are more expensive .

## Cost Considerations Beyond the Shell

While the shell itself is a key cost component, total investment may include installation, internal components (breakers, busbars), and long-term maintenance . High-quality shells reduce replacement frequency and operational risks, offering better long-term value despite higher upfront costs.

## Summary

For budgeting purposes, standard distribution box shells can be expected to cost \$20-\$100 for basic residential plastic units and \$150-\$500+ for commercial or industrial metal units, with customization, environmental protection, and integrated features influencing the final price . Buyers should consider material, size, IP rating, and future expansion needs to ensure cost-effectiveness and compliance with safety standards.

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stainless

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