

Price of Explosion-proof Lighting Distribution Boxes in China and Europe



Overview

Explosion-Proof Distribution Box Price & Cost Guide 2026Explosion-Proof Distribution Box Price & Cost Guide 2026 explains key specifications, selection cri.

Key Takeaways

Explosion-proof lighting distribution boxes in China typically range from \$200 to \$1,500 per unit depending on specifications, while European prices are generally higher due to stricter certification and compliance requirements.Pricing in China

In China, the cost of explosion-proof distribution boxes varies widely based on material, certification, and customization. Common materials include aluminum alloy, steel plate, and stainless steel, with stainless steel generally being the most expensive due to durability and corrosion resistance . Standard models for lighting distribution (CXM series) can start around \$200-\$400 per unit for basic configurations, while fully customized or OEM-branded units with advanced features such as modular busbars, IP-rated enclosures, or integrated control components can reach \$1,000-\$1,500 per unit . Bulk orders often reduce per-unit costs, and suppliers like WAROM and Shanghai offer tailored solutions for industrial applications . Chinese suppliers typically comply with CNEX standards, which align closely with IECEx, ensuring safety in hazardous environments. Additional certifications like ATEX may be requested for export to Europe, which can slightly increase the price .

Pricing in Europe



In Europe, explosion-proof distribution boxes are generally more expensive due to stricter regulatory requirements, labor costs, and certification standards. European units must comply with ATEX and IECEx certifications, and often include higher-grade components from brands like ABB or Schneider Electric . Typical prices for standard lighting distribution boxes in Europe start around €500–€800, with customized or high-specification units ranging from €1,200 to €2,500 or more per unit. The exact price depends on the zone classification (Zone 1 or Zone 2), material, ingress protection rating (IP), and additional safety features .

Factors Affecting Price

- Material: Aluminum < Steel < Stainless Steel
- Certification: CNEX (China) < IECEx/ATEX (Europe)
- Customization: OEM branding, busbar modifications, cable entry options
- Order Volume: Larger orders reduce per-unit cost
- Components: Use of premium switches, circuit breakers, or indicator lights increases cost

Summary

- China: \$200–\$1,500 per unit depending on material, certification, and customization .
- Europe: €500–€2,500 per unit, generally higher due to ATEX/IECEx compliance and premium components .
- Key Considerations: Zone classification, IP rating, and component quality significantly influence pricing in both regions. For accurate procurement, it is recommended to request quotes from multiple suppliers specifying the required zone, material, and certification, as prices can vary significantly based on these factors.

Article Content

2026 Explosion-proof Distribution Box

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

