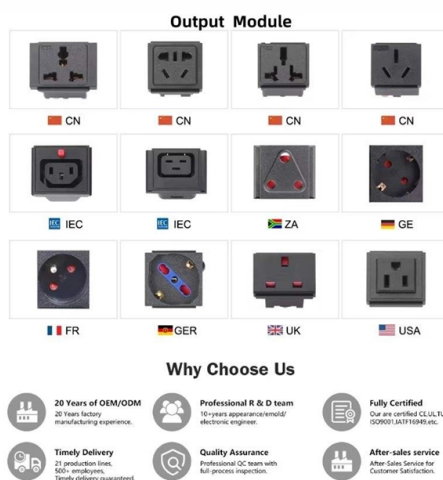


Factory Price of Explosion-proof Distribution Boxes for Construction Sites



Overview

Explosion Proof Distribution Box Price Manufacturers & SuppliersExplosion Proof Light, Explosion Proof Terminal Box manufacturer / supplier in China, offer.

Key Takeaways

Explosion-proof boxes for construction sites typically range from \$100 for small junction boxes to over \$2,000 for large, certified enclosures, depending on size, material, and certification.

Price Ranges

Compact Junction Boxes: Small explosion-proof junction boxes, ideal for low-voltage terminations or confined spaces, generally cost \$100–\$300. These are often made of aluminum or steel and certified for ATEX, IECEx, or UL standards.

Medium-

Sized Distribution Boxes: Used for terminal connections, automation systems, or general-purpose wiring, prices typically range from \$300–\$800, depending on material (stainless steel, aluminum, or reinforced steel) and corrosion resistance.

Large or Heavy-

Duty Enclosures: Designed for motors, pumps, or circuits in hazardous areas, these can cost \$1,000–\$2,500+, especially if made from stainless steel (AISI 304L or 316L) and certified for Zones 1, 2, 21, and 22.

Material and Certification Considerations

Materials: Common options include mild steel, aluminum, stainless steel (304L/316L), and GRP polyester. Stainless steel offers superior corrosion resistance and mechanical strength, suitable for harsh environments. **Certifications:** Ensure compliance with ATEX, IECEx, UL1203, and NEMA 4X standards.

Certification affects both safety and price, with fully certified enclosures costing more.

Additional Factors Affecting Cost

Size and Volume: Larger enclosures with more internal space or multiple hubs increase cost. **Accessories:** Pre-threaded entries, O-rings, and internal grounding screws add to price but simplify installation. **Lead Time:** Stock availability can influence cost; custom or rapid-delivery enclosures may carry a premium.

Summary

For construction sites, small explosion-proof junction boxes start around \$100, medium distribution boxes range \$300–\$800, and large, heavy-duty enclosures can exceed \$2,000. Material choice, certification, and additional features significantly influence the final price, so selecting the right combination for your site's hazardous classification is essential.

Article Content

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