

Taiwan Cast Aluminum Explosion-proof Distribution Box Price Quote



AI Overview

Cast aluminum explosion-proof distribution boxes typically range from \$150 to \$600 USD per unit, depending on size, IP rating, and certification, with exact quotes available from suppliers upon request.

Overview Explosion-proof distribution boxes made from cast aluminum are designed for hazardous environments such as oil refineries, chemical plants, offshore platforms, and grain storage facilities. They are engineered to withstand explosive gases and dust, with Ex d protection and IP ratings from IP54 to IP67, ensuring both safety and durability. The boxes are often modular, allowing customization of cavity sizes, inlet/outlet configurations, and switchgear integration.

Material and Construction Housing: Copper-free cast aluminum alloy, often ZL102, providing high impact resistance and corrosion protection. Surface Treatment: High-pressure electrostatic spray and heat-curing for anti-corrosion and aesthetic finish.

Explosion-Proof Features: Wall thickness up to 12mm, modular explosion-proof cavities, and reinforced inlet/outlet chambers.

Sealing: Two-component polyurethane foaming ensures high protection against dust and water ingress.

Certifications and Standards Many suppliers provide boxes with ISO 9001, CE, CB, SEMKO, SAA, TUV, CCC certifications. They comply with Zone 1 and Zone 2 explosive gas environments, IIA, IIB, IIC gas groups, and temperature classes T1-T6. This ensures compliance with international safety standards for industrial applications.

Price Range Small to medium boxes (IP54-IP55, 60-100A): Approximately \$150-\$300 USD per unit. Larger or higher-rated boxes (IP65-IP67, modular configurations): Approximately \$400-\$600 USD per unit.

Custom configurations: Prices vary based on size, number of hubs, and additional features; suppliers often provide FOB or CIF pricing upon request.

Procurement Tips Contact multiple supplier...

Article Content

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Aluminium Alloy Explosion Proof Distribution Box lib lic Extb Ip66 ...

Brand Name Winyan Product name Aluminum alloy explosion-proof power distribution box IP grade IP65 Ex code

Cast Aluminum Hermetic Box

- Cabinet made of low thermal conductivity and fireproof material for heat insulation fireproof.
- Can be installed in any difficult places include the top of mountain and the roof of buildings.
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Explosion-Proof Distribution Boxes & Panels Manufacturer

An explosion-proof distribution box is a rugged enclosure for hazardous areas, safely delivering power while preventing sparks or heat from igniting flammable surroundings.

Contact Us

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