

Price of Outdoor Aluminum Composite Panel Distribution Box



AI Overview

The price of an outdoor aluminum composite panel distribution box typically ranges from \$100 to \$400, depending on size, material, coating, and IP rating.

Price Range and Factors

The cost of an outdoor aluminum composite panel distribution box varies based on several factors:

- Material and Construction:** Boxes made with reinforced aluminum back panels or composite layers offer higher durability and weather resistance, which increases the price. Galvanized steel with aluminum reinforcement is common for long-lasting outdoor use.
- Size and Capacity:** Larger boxes with more internal space for electrical components cost more. Standard sizes like 400 x 500 x 200 mm are available, with prices starting around \$100 for basic models.
- IP Rating and Weatherproofing:** Higher protection against dust and water (IP65 or above) adds to the cost. Sealing strips, rainproof vents, and corrosion-resistant coatings are included in premium models.
- Coating and Finish:** Powder-coated or PVDF-coated aluminum panels provide UV and weather resistance, which can increase the price compared to standard polyester-coated panels.
- Brand and Supplier:** Well-known manufacturers or suppliers offering certified products may charge more, but they provide better quality assurance and durability.

Typical Applications

These distribution boxes are suitable for:

- Outdoor electrical installations, including solar energy systems and security monitoring.
- Industrial and commercial environments requiring dust and water protection.
- Wall or pole mounting with removable back panels for easy installation.

Summary

For a standard outdoor aluminum composite panel distribution box, expect to pay \$100–\$400 depending on size, material quality, coating, and IP rating. For precise pricing, contacting suppliers or checking online marketplaces like Amazon or industrial distributors is recommended to compare options and specifica...

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