

How to calculate the price of a distribution box for the box body



Article Overview

The price of a distribution box body is calculated based on material, size, protection grade, and type, often using a formula that sums material and manufacturing costs multiplied by a factor for overhead and profit.

Step 1: Identify the Type and Specifications

Determine the type of distribution box you need, as this affects the base cost:

- Residential: Small, simple, usually plastic or light steel.
- Industrial: Larger, steel or aluminum, higher load capacity.
- Explosion-proof: Specialized materials and safety features.
- Intelligent/Smart: Integrated monitoring and control functions. Also, note the number of circuits, voltage rating, and environmental protection grade (e.g., IP65 for waterproof/dustproof), as these influence material and manufacturing costs .

Step 2: Choose Material

The material of the box body significantly affects the price:

- Aluminum alloy: Higher cost, lightweight, corrosion-resistant.
- Steel plate: Moderate cost, durable.
- Plastic (ABS/PC): Lower cost, suitable for residential use. Material choice impacts both the raw material cost and the manufacturing complexity

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Buyers typically pay a wide range for septic distribution box replacement, with cost driven by box material,

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