

## How much does a building electrical distribution box cost in the UAE



### AI Overview

Electrical distribution boxes in the UAE typically range from AED 500 to AED 10,000 or more, depending on type, capacity, and material.

**Price Ranges by Type**

- Residential/Final Distribution Boards (FDBs):** Usually cost between AED 500 and AED 2,000. These are smaller panels designed for homes or small commercial units, often supporting 6–24 outgoing circuits and basic MCB protection.
- Sub-Distribution Boards (SDBs):** Mid-sized panels for commercial or multi-unit buildings, priced around AED 1,500 to AED 5,000, depending on the number of ways, short-circuit rating, and material.
- Main Distribution Boards (MDBs):** Large-scale panels for industrial or high-rise buildings, typically AED 5,000 to AED 10,000+, especially if they include high short-circuit capacity, weatherproofing, or modular designs.
- Weatherproof/Outdoor Boxes:** Boxes with IP65/IP66 ratings for outdoor use can add AED 500–2,000 to the base cost due to corrosion resistance and environmental protection.

**Factors Affecting Cost**

- Material:** Steel, stainless steel, or thermoplastic enclosures influence durability and price. Stainless steel and high-impact thermoplastics are more expensive but offer better corrosion resistance.
- Capacity and Number of Ways:** More outgoing circuits and higher amperage ratings increase cost. Boards with 50–600 pair modules, as used in large commercial or telecom applications, are significantly pricier.
- Compliance and Safety Standards:** IEC 61439 compliance, UAE electrical codes, and high short-circuit ratings (kA rating) can increase the price.
- Accessories:** Inclusion of MCBs, RCCBs, RCBOs, busbars, and modular DIN-rail components adds to the total cost.
- Installation Environment:** Outdoor or harsh environments require weatherproofing, powder coating, or IP-rated enclosures, which can raise costs.

**Summary** For a typical UAE building project, small residential DB boxes start around...

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