

Price of Parallel Secondary Distribution Box



Overview

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Key Takeaways

The price of a Parallel Secondary Distribution Box typically ranges from \$500 to \$3,000 or more, depending on specifications, capacity, and features.

A Parallel Secondary Distribution Box (SDB) is designed to receive power from a main distribution box and distribute it to branch circuits, often supporting parallel connections of multiple inverters for scalable energy systems . These boxes are commonly used in commercial, industrial, and renewable energy setups, such as solar hybrid systems, where multiple inverters need to operate in parallel for higher capacity and redundancy .

Factors Affecting Price

- Capacity and Voltage Rating: Higher amperage or three-phase systems cost more than standard single-phase units .
- Compatibility: Some parallel boxes, like the SolaX X3 EPS Parallel Box, are compatible with specific inverter models, which can influence cost .
- Material and Construction: Powder-coated or weather-resistant enclosures, corrosion-resistant materials, and robust insulation increase the price .

- Customization: Options such as terminal blocks, modular wiring, and integration with building management systems can add to the cost .

- Installation and Accessories: Additional costs may include wiring, mounting, and any required surge protection or monitoring systems .

Typical Price Range

- Residential or small commercial SDBs: \$500-\$1,500

- Industrial or high-capacity parallel boxes: \$1,500-\$3,000+

- Custom or OEM solutions: Prices vary widely and may require direct quotes from manufacturers or distributors .

Recommendations

For accurate pricing, it is advisable to contact suppliers directly with your system specifications, including the number of inverters, voltage, and amperage requirements. Many manufacturers offer custom quotes and bulk pricing for larger orders . Additionally, consider long-term operational costs, such as maintenance and energy monitoring features, which can affect the total cost of ownership .

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