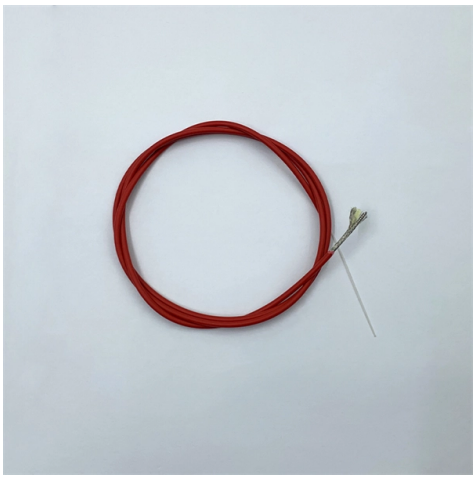
Price of Photovoltaic Secondary Distribution Box



Overview

Solar Combiner Box: Complete DC & PV Guide (2026)The specification of a solar combiner box — and the number of combiner boxes required — varies significant.

Key Takeaways

The price of a photovoltaic (PV) secondary distribution box typically ranges from $50 to $300 for residential and small commercial units, depending on specifications and features.

Typical Pricing

Amazon Listings: A 2-string PV combiner box with DC and AC circuit breakers, surge protection, and IP65 waterproof rating is available for around $120–$150 for residential 8–10 kW solar inverter systems (Amazon.com). Manufacturer Pricing: Chinese manufacturers like LEIDUN offer PV distribution boards and combiner boxes with competitive pricing, often in the range of $50–$200 depending on string capacity, voltage rating, and additional features (Made-in-China). Commercial and Industrial Units: Larger or more advanced combiner boxes with monitoring, anti-reverse diodes, or higher amperage ratings can cost $200–$300 or more, especially for multi-string or high-voltage systems (Power Home, ETEK Solar).

Factors Affecting Cost

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Number of Strings: More input strings increase the complexity and price. Single or 2-string boxes are cheaper, while 4–6 string boxes cost more. Voltage and Current Ratings: Higher DC voltage (up to 1000V or 1500V) and higher amperage capacity increase the cost.

Protection Features: Built-in surge protection, lightning protection, and DC/AC breakers add to the price. Material and Durability: IP65 or IP66 rated enclosures made from ABS, PC, or metal are more expensive due to weatherproofing and corrosion resistance.

Monitoring and Anti-

Reverse Functions: Boxes with real-time monitoring or anti-reverse diodes are priced higher due to added electronics and safety features. Installation and Accessories: Some packages include circuit breakers, surge protection devices, and mounting hardware, which can affect the total cost.

Summary

For residential solar systems, expect to pay $100–$150 for a standard 2–3 string PV combiner box with basic protection. For commercial or industrial applications, prices can rise to $200–$300+ depending on the number of strings, voltage, amperage, and additional features. Considering durability, IP rating, and included accessories is important for long-term reliability and safety of the solar installation (Sunnom).

Article Content

Solar Combiner Box: Complete DC & PV Guide (2026)

The specification of a solar combiner box — and the number of combiner boxes required — varies significantly with system scale across three

PV Combiner Box 2 String Solar Distribution Box with

Equipped with a 2P-250A battery power circuit breaker, a 2P-25A photovoltaic

dB Box Photovoltaic Distribution Board Solar PV Combiner Box Price ...

The box serves as a centralized grid-connection point for PV systems, simplifying wiring and ensuring safe, organized connections between solar panels, inverters, and the main power grid.

Photovoltaic Distribution Box Market – PW Consulting Automotive ...

The Photovoltaic Distribution Box Market was valued at USD 2.45 Billion in 2025 and is expected to reach USD 4.34 Billion by 2032, growing at a CAGR of 8.5%.

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PRICE INDEX | June 2026

Every month we publish a current price index on the development of wholesale prices of solar modules. In doing so, we differentiate between the main technologies available on the market.

Solar AC Distribution Box

Manufacturer of Solar AC Distribution Box - Solar AC Distribution Boxes, Solar DCDB 2in2out with 1000v SPD, Solar ACDB Box and Solar ACDB Distribution

Best 1 PV Distribution Box: Essential Info & Benefits

Photovoltaic (PV) grid-connected distribution boxes play an essential role in solar power generation systems. These boxes facilitate the distribution of electricity generated by solar panels and ensure a

PV DC combiner boxes

PV DC combiner boxes – compact, high-quality and cost-optimised Our DC combiner boxes offer users the possibility to integrate short-circuit and

Solar Distribution Equipment

Category: Roof-Mount Solar Distribution SolaDeck Roof Mount PV Junction Box With 12 x 13" Flashing, Black Roof Mount PV Junction Box With 12 x 13 Inch Flashing, Five Roof Deck Knockouts, Size (3)

Amazon : Solar Combiner Box

Solar Combiner Box 2 String PV Combiner Box 1000V DC 40A & 20-40KA SPD Power Distribution Box for Solar Panels Off-Grid Systems (2String 2 in 2 Out) Add to cart

Photovoltaic Combiner Box Price Guide: Key Factors and Market

Understanding photovoltaic combiner box pricing involves more than comparing sticker prices. By evaluating technical requirements, anticipating maintenance needs, and leveraging market trends,

dB Box Photovoltaic Distribution Board Solar PV Combiner Box Price ...

Type: PV Grid Connected Distribution Box Structure: Protection Certification: ISO9001:2000 Form: All- packaged Type Operation Voltage: Low Voltage Size: 400*550*160mm

Global Photovoltaic Distribution Box Market Research Report 2024

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A Photovoltaic Distribution Box, also known as a PV distribution box or solar combiner box, is an essential component in a photovoltaic (PV) system that helps manage the electrical

Photovoltaic Distribution Box Market Forecasting Growth 2035

The Photovoltaic Distribution Box Market Size was valued at 2,260 USD Million in 2024. The Photovoltaic Distribution Box Market is expected to grow from 2,450 USD Million in 2025 to 5.5 USD

Grid-Connected Distribution Box for Solar Power Systems

A Grid-Connected Distribution Box is an electrical enclosure that houses and protects solar photovoltaic (PV) system components, such as inverters,

What Is a Solar Distribution Box (PV Combiner Box)?

Discover what a solar distribution box (PV combiner box) is, why it''s critical for PV systems, key components, and how to choose the right one for

Power Distribution Box

Power Distribution Box AC/DC/PV Distribution Box Power Distribution Boxes encompass the following types: - AC Distribution Box: Manages the distribution of AC power. - DC Distribution Box: Handles

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Technical inquiry: https://fdsoluciones.es/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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