

Photovoltaic power generation box combiner box price



Article Overview

The on-site price of a photovoltaic combiner box typically ranges from \$800 to \$2,500 per unit, with installation adding \$200–\$500 depending on system complexity.

Unit Price Factors

The cost of a PV combiner box depends on several key factors:

- **Material and Enclosure Type:** Stainless steel boxes are more durable and costlier (\$43–\$600 for standard sizes), while plastic boxes are cheaper (\$0.74–\$24.14) but still offer IP65 waterproofing and UV protection . Aluminum enclosures can save 15–20% upfront but may have shorter lifespans in harsh environments .
- **IP Rating:** IP65-rated boxes cost about 10% more than IP54 models but provide longer durability in outdoor conditions .
- **Electrical Components:** Fuses, circuit breakers, and surge protectors are essential. For example, fuses may cost \$0.96 each, with 2–6 pieces per box, and miniature circuit breakers range from \$2.75–\$11 each .
- **Voltage and String Capacity:** Higher voltage ratings (e.g., 1000–1500V) and more string inputs increase the price .

Installation Costs

Installation is generally not included in the unit price. On-site installation can add \$200–\$500 per combiner box, depending on system complexity and labor rates

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Multi Function: The photovoltaic combiner box is applicable to photovoltaic grid connected or off grid solar

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