

Photovoltaic Array Combiner Box

This device combines multiple photovoltaic array strings into a single output. It is designed to reduce connections between the PV module and the inverter, facilitating maintenance and improving reliability.



ADDITIONAL IMAGES



Overview



Professional-grade combiner unit for solar grid-connected systems.

Professional PV Combiner Solution

This high-performance combiner box is designed to consolidate multiple photovoltaic array strings into a single, efficient output. Engineered for reliability in large-scale grid-connected systems, it facilitates maintenance and enhances system safety through advanced circuit protection. The rugged, weather-resistant enclosure ensures consistent operation even in challenging outdoor environments.

Technical Specifications

Fuse Rating

15 A

Current Rating

1000 Vdc

Voltage Rating

Input Capacity

16 ways

Safety Features

Lightning Protection, Overcurrent Protection, Surge Protection (SPD), Circuit Breaker

Environmental Ratings

CHARACTERISTIC



Stainless steel enclosure designed for harsh outdoor installations.

Ingress Protection

IP65

Durability

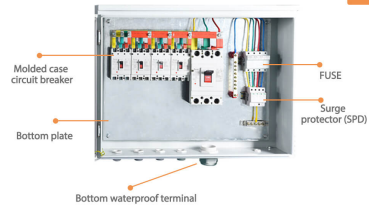
- Anti-UV
- Anti-acid
- Anti-alkali
- Moisture-resistant
- Mildew-resistant
- Rodent-controlled

Component Details

PRODUCT DESCRIPTION

PV COMBINER BOX

IP65



Internal layout featuring molded case circuit breakers and robust terminal blocks.

System Components

Component

Negative convergence copper busbar

16-way detection unit

DC MCB

DC positive convergence output

DC negative convergence output

RS485 communication terminal