

# 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

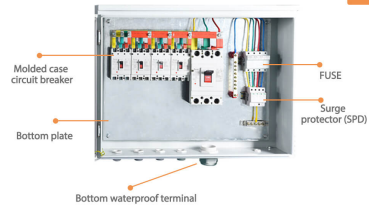
- Anti-UV
- Anti-acid
- Anti-alkali
- Moisture-resistant
- Mildew-resistant
- Rodent-controlled

## 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