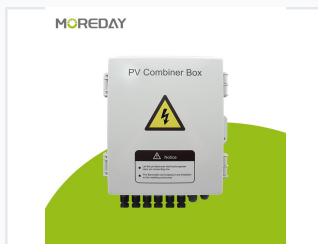


# DC Combiner Box for Solar PV Systems

This combiner box is designed for photovoltaic grid-connected and off-grid power generation. It combines DC output from solar panels into a single DC input for the inverter.



## ADDITIONAL IMAGES



## Product Overview



Weather-resistant IP65 enclosure designed for outdoor solar PV installations.

### Professional PV Solar Combiner Box

This photovoltaic combiner box is designed for both grid-connected and off-grid solar power systems. It efficiently consolidates 4 to 6 solar strings into a single output, streamlining wiring and improving overall system reliability. Built with an IP65-rated enclosure, it provides robust protection against dust and water ingress, making it suitable for demanding outdoor environments.

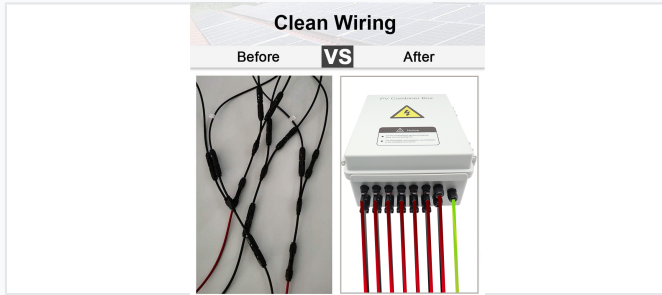
## Technical Specifications

**Ingress Protection**  
IP65

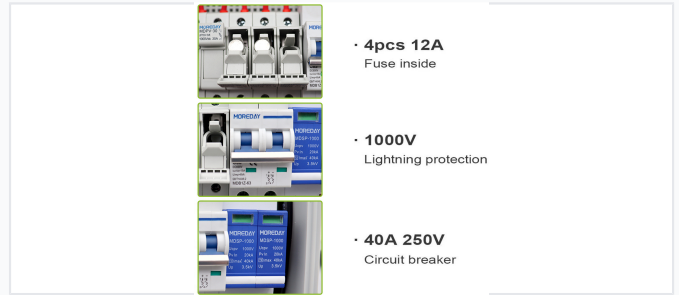
**Supported Strings** 6 strings

**Voltage Rating** 600V, 1000V

## Electrical Components



Organized internal wiring layout ensures safe and efficient connection of PV strings.



• 4pcs 12A  
Fuse inside

• 1000V  
Lightning protection

• 40A 250V  
Circuit breaker

Detailed view of internal protection modules including fuses and surge protection devices.

### Integrated Safety

- 2P 600V DC surge protection device
- 15A DC fuse for positive inputs
- Grounding protection
- Leakage protection
- Circuit breaker overcurrent protection

### Key Performance Metrics

**40 A**

Max Total Input Current

**12 A**

Individual String Fuse

## Design and Installation

### Safety Warning

Installation must be performed by a professional electrical engineer. Flammable and explosive materials must be kept away from the installation area. The box features lockable hinged doors for easy access and dedicated mounting holes for secure exterior installation.