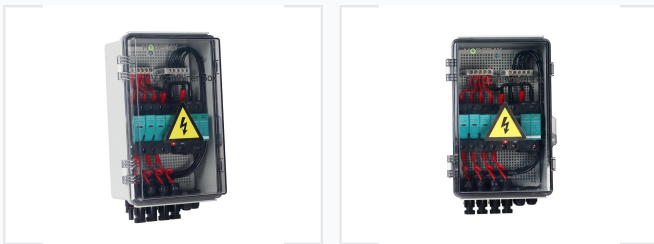


# Four-String AC/DC PV Combiner Box 500V

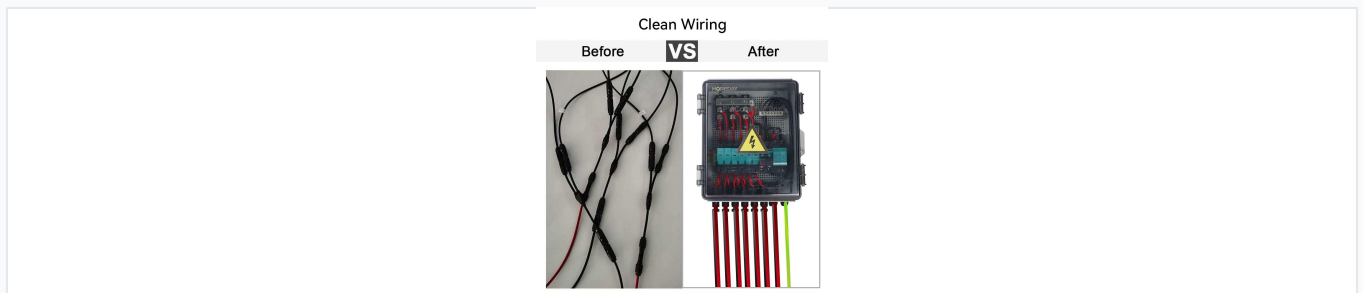
This PV combiner box is designed for solar photovoltaic systems, positioned between solar panels and the solar inverter. It incorporates over-voltage and over-load protection to extend the operational lifespan of the solar system.



## ADDITIONAL IMAGES



## Product Overview



Efficient cable management and streamlined installation with the 4-string design.

## Professional PV Combiner Box

This 4-string PV combiner box provides a secure and efficient connection between solar panel arrays and the inverter. It incorporates critical safety features including over-voltage, over-load, and lightning strike protection to enhance the operational lifespan of the entire solar power system. Designed for versatility, this solution is suitable for residential, commercial, and utility-scale projects.

## Electrical Specifications

### Max Output Switch Current

- 20A
- 32A

<b>Max System Voltage</b>	1000 V
<b>Maximum Input Strings</b>	4
<b>Max Input Current (per string)</b>	15 A

## Protection & Safety

### Surge Protection Specs

**20 kA**

Nominal Discharge Current

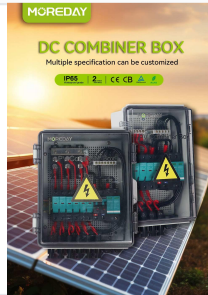
**40 kA**

Max Discharge Current

### Voltage Protection Level

2.8kV / 3.8kV

## Mechanical & Environment



IP65 rated waterproof enclosure ensuring reliable performance in various environments.

### Enclosure Rating

IP65 Waterproof

### Operating Temperature

-25°C to +55°C

### Permissible Humidity

0-95% (no condensation)

## Compliance

### Certifications & Standards

CE, TÜV, IEC 62109-1, RoHS, CB