

Four-String AC/DC PV Combiner Box 500V

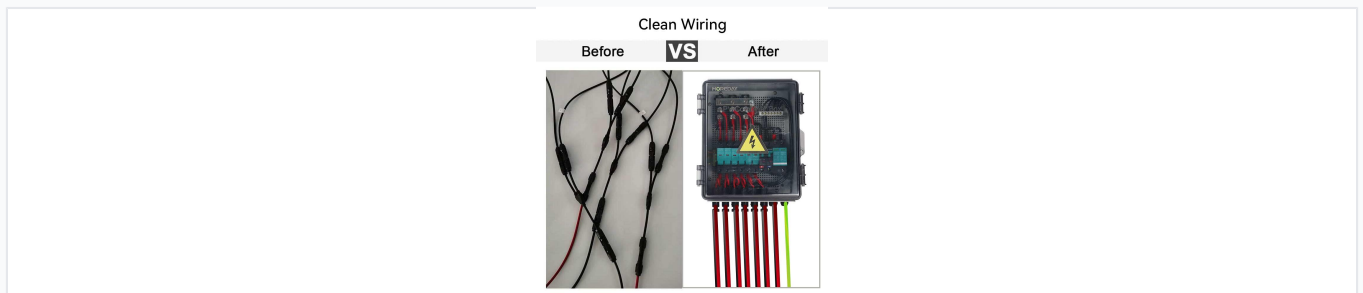
This PV combiner box is designed for solar photovoltaic systems, positioned between solar panels and the solar inverter. It incorporates over-voltage and over-load protection to extend the operational lifespan of the solar system.



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

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

Protection & Safety

Surge Protection Specs

20 kA

Nominal Discharge Current

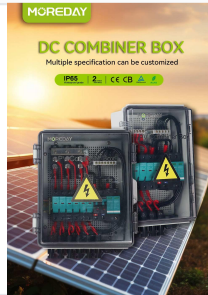
40 kA

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