

### Summary:

For a large-scale grid-connected PV system, it is a general practice to install a DC combining device in between the PV modules and inverters for the sake of minimizing the cable distance between them, facilitating maintenance and improving reliability. With many years of PV grid-connected system design experience, our PVS PV array combiner box series is specially-designed for meeting the need of high performance and high reliability of PV systems. In combining with our Sun Access inverters, Our PVS provides a turnkey solution for PV power plant systems. By using PV array combiner box, according to the input voltage of the inverter, Clients can connect a fixed number of similar PV modules to form a PV array. Then, different strings of PV array can be converged into the PV array string box. After that, together with lightning arresters and circuit breakers, it is connecting to the inverter to reduce the system installation time and increase the system safety.



### Features of pv array combiner box:

- Applicable for outdoor PV systems
- 6/16 PV string inputs with maximum string current at 10A
- Wide DC voltage input range with maximum open-circuit voltage up to 900V
- With PV dedicated DC fuses with maximum voltage not less than 1000V
- With PV dedicated high voltage lightning protection device
- Both +ve & -ve poles equipped with a 4-pole circuit breaker with the allowable DC voltage not less than 1000V
- Monitoring feature optional for each string of PV array
- Waterproof terminals

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### Technical Parameters:

Model	PVS-8	PVS-16
DC Input Voltage Range	200~1000Vdc	200~1000Vdc
Number of Inputs	8	16
Max. DC Current for Each String	10A/15A	10A/15A
Output Terminal Type	PG21	PG21
Ingress Protection	IP65	IP65
Operating Temperature	-25~+60°C	-25~+60°C
Relative Humidity	0~99%	0~99%
Dimensions (WxHxD)	600x500x180mm	600x500x180mm
Weight	20kg	25kg
Standard Components		
DC Circuit Breaker	Yes	Yes
SPD	Yes	Yes

### Optional Components\*

Current Monitor for Each String	Yes	Yes
SPD Failure Detection	Yes	Yes
Communication	RS485	RS485

\*The models include optional components are PVS-8M and PVS-16M