

SUNBOX PVS-8MH-DB/PVS-12MH-DB/PVS-16MH-DB

PV combiner box for 1500 Vdc system



Efficient and Safe

- 1500V-Specific PV fuse, both positive and negative terminal
- 1500V-Specific PV SPD with fault alarm
- Specialized 2 in 1 fuse with favorable heat dissipation performance and compact size
- String current and voltage monitoring
- Main load switch state monitoring (optional)



Flexible

- IP65 protection, meet the outdoor installation and usage requirements
- Self-powered power supply with lightning protection
- Output cable sectional area 120 – 400 mm² (max. 400 mm² Al cable)
- MC4 connector



Reliable

- Highly optimize the system wiring
- Modular design for easy and quick maintenance
- CE

Parameters	PVS-8MH-DB	PVS-12MH-DB	PVS-16MH-DB
Max. PV string voltage	1500 V		
Max. PV string parallel inputs	8 * 2	12 * 2	16 * 2
Rated fuse current for each string (replaceable)	30 A		
Switch disconnecter	250 A	400 A	400 A
SPD	Type II		
Input terminal type	6 mm ² (MC4)		
Output terminal type	120 – 300 mm ²	120 – 300 mm ²	120 – 400 mm ²
Protection class	IP65		
Environment temperature	-40 °C to 60 °C		
Environment humidity	0 – 95 %		
Dimensions (W*H*D)	730*580*260 mm	730*580*260 mm	930*730*260 mm
Weight	28 kg	30 kg	40 kg
Material	SMC Plastic		

Standard Accessories

DC main output load switch	Yes
PV specific application SPD	Yes
PV SPD failure monitoring	Yes
PV self power supply for internal loads	Yes
Communication port	Yes
Current and voltage monitoring for each string	Yes

Optional Accessories

Negative grounding	Optional
Monitoring for load switch state	Optional

