

PVS-16/20/24MH

SUNGROW
Clean power for all

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
- 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)
- PG Gland / MC4 terminal connector
- Power line communication optional, saves communication cable cost



QUALIFIED

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

Type designation	PVS-16MH	PVS-20MH	PVS-24MH
Parameters			
Max. PV string voltage		1500 V	
Max. PV string parallel inputs	16	20	24
Rated fuse current for each string (replaceable)		15 A / 20 A	
Switch disconnecter		400 A	
SPD		1500 Vdc Type II	
Input terminal type		PG Gland / MC4 terminal	
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)		930 * 730 * 260 mm	
Weight	38 kg	40 kg	42 kg
Switch-disconnector handle		Internal handle	
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	
RS485 Communication port		Yes	
Current and voltage monitoring for each string		Yes	
Optional Accessories			
Negative Grounding		Optional	
Monitoring for load switch state		Optional	
PLC Communication port		Optional	

PVS-8/12/16MH-DB

SUNGROW
Clean power for all

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

Type designation	PVS-8MH-DB	PVS-12MH-DB	PVS-16MH-DB
Parameters			
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	