

SUNBOX™ PVS-16M-DB

PV combiner box for **1000 Vdc** system



Efficient and Safe

- PV specific application fuses, both positive and negative polarity
- PV specific application SPD with failure alarm function
- PV string current and voltage abnormal alarm
- Specific application combiner busbar parts with shield
- Main load breaker switch state monitoring (need optional accessory)



Flexible

- IP65 protection
- Self supplied power with SPD
- Output cable sectional area range 120 - 400 mm² (max. 400 mm² Al cable)



Reliable

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



Parameters	PVS-16M-DB
Max. PV string voltage	1000 V
Max. PV string parallel inputs	16 * 2
Rated fuse current for each string (replaceable)	30 A
Input terminal type	6 mm ²
Output terminal type	120 – 400 mm ²
Protection class	IP65
Environment temperature	-40 °C to 60 °C
Environment humidity (non-condensing)	0 – 95 %
Dimensions (W*H*D)	720*680*180 mm
Weight	41 kg
Material of enclosure	Steel

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	
Monitoring for load break switch state	Optional

