

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

Type designation	PVS-16M-DB
Parameters	
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

iSolarCloud

Remote Monitoring and O&M Platform



- FLEXIBLE AND FRIENDLY**
 - Centralized power plant management, optimized OPEX
 - Simple network infrastructure, fast platform deployment
 - Flexible data access, Web portal and APP
- SIMPLE AND EFFICIENT**
 - Full plant supervision via multi-dimensional analysis, automated reports
 - Accurate positioning of faults, quick trouble shooting, real-time push of information, reducing time to resolve faults
 - Parameter setting, firmware updates, IV curve diagnosis
 - Support of plant maintenance by remote Web access of local data logger / SCADA
- SAFE AND RELIABLE**
 - Hierarchical access management
 - Cyber security and redundant data storage over the lifecycle of plants, certified data security
 - Full log for trace and audit

Type designation	iSolarCloud
Monitoring Device	
Device type	Inverter, combiner box, meteo station, energy meter, transformer and other plant devices
Monitoring Capacity	More than 100 GW (scalable)
Data Collection	
Time interval	5 minutes
General Data	
Language	Chinese, English, Japanese, German, French, Spanish, Portuguese, Italian, Dutch, Korean
Data storage time	>25 years
Storage capability	>100PB
System reliability	99.99%
Minimum Web requirements	
Browser	IE11, Chrome 56, Safari 11
Resolution	1366 * 768, 1920 * 1080 recommended
Minimum Operating Environment for APP	
Minimum OS	Android 4.4, iOS 9.3
Resolution	1920 * 1080, 2001 * 1125, 1280 * 720