

# SUNBOX™ PVS-16M-DB

PV combiner box for 1000Vdc system



### Flexible

- IP65 protection
- Self supplied power with SPD
- Output cable diameter range 120-400mm<sup>2</sup> (max 400mm<sup>2</sup> Al cable)



### 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 switch state monitoring (need optional accessory)



### Qualified

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

This product applies to Asia Pacific and European Region, each one input can combine two strings via T type terminal, adopting 30A fuse.

In large-scale grid-connected PV system, PV combiner box can reduce the cable cost between PV modules and inverter, make it easy to install and maintain, and also improve the reliability.

| Parameters                                       | PVS-16M-DB             |
|--|------------------------|
| Max. PV string voltage                           | 1000Vdc                |
| Max. PV string parallel inputs                   | 16                     |
| Rated fuse current for each string (replaceable) | 30A                    |
| Input terminal type                              | 6 mm <sup>2</sup>      |
| Output terminal type                             | 120~400mm <sup>2</sup> |
| Protection class                                 | IP65                   |
| Environment temperature                          | -40 ~+60               |
| Enironment humidity                              | 0~99%                  |
| Dimensions (W*H*D)                               | 720*680*180mm          |
| Weight   | 41kg                   |

| 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 switch state | Optional |

