

BDS-1000

DC COUPLING MICRO CONVERTER



Features

- Max. Charging/Discharging power up to 1000w
- Plug and Play installation, easy to install.
- Die casting design and glue filling technology, better thermal dissipation.
- Built in WiFi communication
- Suitable for 48V/51.2V Lithium battery
- IP67 outdoor design



By retrofitting the system with the BDS-1000, you can transform your on-grid PV system into a hybrid solution, maximizing self-consumption and achieving cost savings. Make full use of clean energy during the day and store it for later use.

Model

BDS-1000

PV Input DC	BDS-1000
Recommended. PV Module /W	750x2
MPPT Voltage Range /Vdc	22-55
Startup Voltage /Vdc	24
Max. Input Voltage /Vdc	60
Max. Input Current /A	15x2
Min. Input Voltage /Vdc	20
Max. DC Short Circuit Current /A	20x2
Battery Discharge to BDS DC	
Max. Input Power /W	1000
Max. Input Current /A	20
Rated Voltage /Vdc	51.2
BDS Charge to Battery DC	
Max. Output Power /W	1000
Max. Output Current /A	30
Rated Voltage /Vdc	51.2
Output to Microinverter DC	
Recommended. Microinverter Power /W	less than 1000W
Max. Output Power /W	1000W
Max. Output Current /A	20
Nominal Voltage Range /Vdc	22-60
Efficiency	
Peak Efficiency /%	97.3
MPPT Efficiency /%	>99.5
Protection	
Overvoltage Protection	Integrated
Overcurrent Protection	Integrated
Short Circuit Protection	Integrated
Temperature Protection	Integrated
General Data	
Operating Ambient Temperature Range /°C	-40~65
Relative Humidity Range	0-100%
Dimensions (W x H x D) /mm	180 x 244 x 31
Weight (not including battery) /kg	2.2
Communication Method	WiFi(2.4G)
Protection Class	IP66/IP67