

# BDM-800

## Micro Inverter

### Features

#### efficiency

- MPPT tracking efficiency up to 99.5%
- CEO weighted average efficiency up to 96.5%

#### security

- maximum DC input voltage is 60V
- equipped with various protections such as GFDI, surge protection

#### reliability

- IP67 protection level
- 12 years warranty with 25 years extension.
- -40°C to 65°C operating temperature

#### flexibility

- plug and play installation
- easy to expand or change
- simple and convenient

#### certification

- UL1741 SA/SB, CSA22.2 NO107.1 and others. See datasheet

#### Intelligence

- Panel level monitoring with built-in PLC and WiFi communication methods
- real-time control of power plant operation status
- accurate to every minute of data
- automatic high temperature and fault warning
- precise positioning of fault points



More effective

Max. Efficiency 97.1%



Global Certification

UL, RED, ROHS, EMC, UTE, INMETRO, VDE, CE



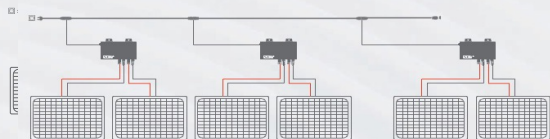
More secure

Built-in GFDI  
Lightning protection 6000V



More Reliability

IP67



## Model

## BDM-800

Input   DC	BDM-800
Recommended PV Module Power Range /W	600 x 2
MPPT Voltage Range /Vdc	22-55
Startup Voltage /Vdc	24
Max. Input Voltage /Vdc	60
Max. Input Current /A	17 x 2
Overvoltage Protection Category	II
Output   AC	
Peak Output Power /VA	800
Max. Continuous Output Power /VA	768
Rated Output Voltage /Vac	240
Nominal Output Voltage Range /Vac	Configurable
Max. Continuous Output Current /A	3.2
Nominal Frequency / Range /Hz	50 / Configurable
Power Factor (Nominal/Adjustable Range)	>0.99(full load)
AC Short Circuit Fault Current Over 3 cycles /Arms	8.2
THDi@Rated Power	<5%
Max. Units per 20A Branch	5
Overvoltage Protection Category	III
Efficiency	
Peak Efficiency	97.3%
MPPT Efficiency	>99.5%
Night Power Consumption /mW	110
General Data	
Operating Ambient Temperature Range /°C	-40~65
Relative Humidity Range	0-100%
Dimensions (W x H x D) /mm	268 x 250 x 30.5
Weight /kg	3.0
DC Connector Type	QC4
AC Connection Type (inverter-inverter)	Trunk Cable
Communication Method	PLC or WiFi(2.4G)
Protection Class	IP66/IP67

1 The AC voltage range may vary depending on specific country grid

2 The AC frequency range may vary depending on specific country grid

See datasheet for additional details