

BDM-800/1000

Micro Inverter



Features

efficiency

- MPPT tracking efficiency up to 99.5%
- CEC 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

- UL, RED, ROHS, EMC, UTE, INMETRO, VDE, CE and others

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



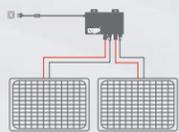
More effective | Max. Efficiency 97.1%

Global Certification | UL, RED, ROHS, EMC, UTE, INMETRO, VDE, CE

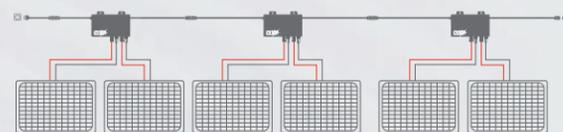
More secure | Built-in GFDI
Lightning protection 6000V

More Reliability | IP67

Balcony Solution



Rooftop Solution



Model

BDM-800/1000

Input DC	BDM-800	BDM-1000
Recommended PV Module Power Range /W	600 x 2	750 x 2
MPPT Voltage Range /Vdc	22-55	
Startup Voltage /Vdc	24	
Max. Input Voltage /Vdc	60	
Max. Input Current /A	17 x 2	18 x 2
Overvoltage Protection Category	II	
Output AC		
Peak Output Power /VA	800	1000
Max. Continuous Output Power /VA	800	1000
Rated Output Voltage /Vac	220/230/240	
Nominal Output Voltage Range /Vac	Configurable	
Max. Continuous Output Current /A	3.64/3.48/3.34	4.55/4.4/4.17
Nominal Frequency / Range /Hz	50 / 60	
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	4
Overvoltage Protection Category	III	
Efficiency		
Peak Efficiency	97.3%	
MPPT Efficiency	>99.5%	
Night Power Consumption /mW	110	
General Data		
Operating Ambient Temperature Range /	-40~65	
Relative Humidity Range	0-100%	
Dimensions (W x H x D) /mm	268 x 250 x 30.5	268 x 250 x 46.5
Weight /kg	3.0	3.4
DC Connector Type	QC4	
AC Connection Type (inverter-inverter)	Plugin AC Connector or Daisy Chain AC Bus	Plugin AC Connector or Daisy Chain AC Bus or 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