



NEP PRODUCT PORTFOLIO

- ◆ MLPE Rising Star
- ◆ www.northernep.com

20
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BDM-800

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

flexibility

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

certification

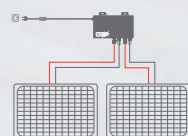
- UL, RED, ROHS, EMC, UTE, INMETRO, VDE, CE and others

Intelligence

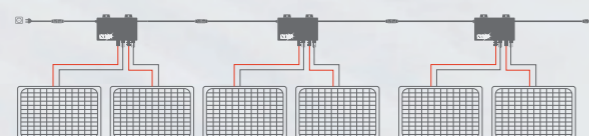
- Panel level monitoring with built-in PLC and WiFi communication methods
- real-time control of power plant operation status
- accurate to every minute of data
- automatic high temperature and fault warning
- precise positioning of fault points



Balcony Solution



Rooftop Solution



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	800
Rated Output Voltage /Vac	230/240
Nominal Output Voltage Range /Vac	Configurable
Max. Continuous Output Current /A	3.48/3.34
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
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)	Plugin AC Connector or Daisy Chain AC Bus
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

CASE SHARE

NEP Monitoring Platform NEPViewer



Web-based & mobile app monitoring
Data point plotted every 1 minute

