



NEP PRODUCT PORTFOLIO

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

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BDM-1600/2000/2250

Micro Inverter



Features

efficiency

- MPPT tracking efficiency up to 99.9%
- 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

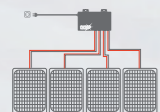
certification

- UTE, INMETRO, CE and others

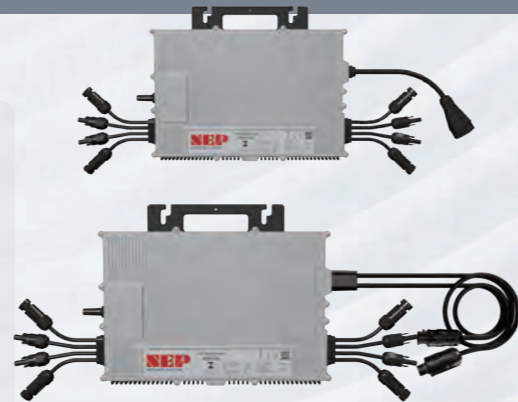
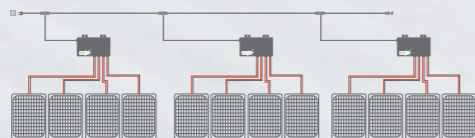
Intelligence

- Panel level monitoring with built-in WiFicomunication 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 | UTE, INMETRO, CE

More secure | Built-in GFDI
Lightning protection 6000V

More Reliability | IP67

Model

BDM-1600/2000/2250

Input DC	BDM-1600	BDM-2000	BDM-2250
Recommended PV Module Power Range /W	600 x 4	750 x 4	750 x 4
MPPT Voltage Range /Vdc	22-55	22-55	22-55
Startup Voltage /Vdc	24	24	24
Max. Input Voltage /Vdc	60	60	60
Max. Input Current /A	20 x 4	20 x 4	20 x 4
Overvoltage Protection Category	II	II	II
Output AC			
Peak Output Power /VA	1600	2000	2250
Max. Continuous Output Power /VA	1600	2000	2250
Rated Output Voltage /Vac	230/240	230/240	230/240
Nominal Output Voltage Range /Vac	Configurable	Configurable	Configurable
Max. Continuous Output Current /A	7/6.67	8.69/8.34	9.78/9.38
Nominal Frequency / Range /Hz	59.3-60.5(Adjustable)	59.3-60.5(Adjustable)	59.3-60.5(Adjustable)
Power Factor (Nominal/Adjustable Range)	>0.99(full load)	>0.99(full load)	>0.99(full load)
AC Short Circuit Fault Current Over 3 cycles /Arms	15.3	15.3	15.3
THDi@Rated Power	<3%	<3%	<3%
Max. Units per 20A Branch	2	2	2
Overvoltage Protection Category	III	III	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		351 x 275.5 x 39.5	
Weight /kg		6.0	
DC Connector Type		QC4	
AC Connection Type (inverter-inverter)		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

CASE SHARE

NEP Monitoring Platform NEPViewer



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

