

BDM-800/1000

Micro Inverter

Features

Convenient

- DC overload up to 50%
- Inter-connectable with other NEP microinverter models
- Built-in PLC or WiFi

Safe and Reliable

- Integrated grounding for easy installation
- IP 67 enclosure rating

Global Certified

- U.S. California Rule 21 Certified
- *UL1741, SAA, TUV, VDE-AR-N 4105, VDE 0126, G83/2, CEI 0-21, IEC 61727, EN50438, Tor Erzeuger Typ A*

Efficient

- MPPT activated for each panel
- High efficiency with 97.1%

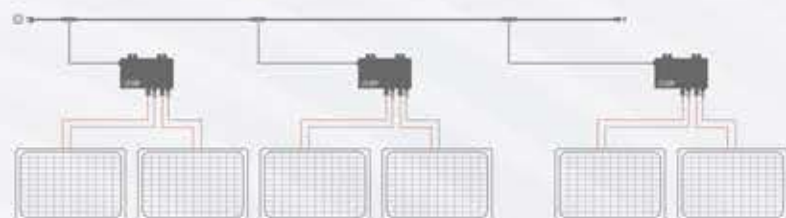


More effective | Max. Efficiency 97.1%

Global Certification | C-ETL-us, SAA, TUV, VDE-AR-N 4105, VDE 0126, G83

More secure | Built-in grounding
Lightning protection 6000V

More Reliability | IP67



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 /V	22-55	
Startup Voltage /V	24	
Max. Input Voltage /V	60	
Max. Input Current /A	17 x 2	18 x 2
Overvoltage Protection Category	II	
Output AC	BDM-800	BDM-1000
Peak Output Power /VA	800	1000
Max. Continuous Output Power /VA	750	960
Rated Output Voltage /V	230	
Nominal Output Voltage Range /V	Configurable	
Max. Continuous Output Current /A	3.26	4.17
Nominal Frequency / Range /Hz	50 / Configurable	
Power Factor (Nominal/Adjustable Range)	1.0/0.9 leading...0.9 lagging	
AC Short Circuit Fault Current Over 3 cycles /Arms	8.2	
THDi@Rated Power	<3%	
Max. Units per 20A Branch	5	4
Overvoltage Protection Category	III	
Efficiency	BDM-800	BDM-1000
Peak Efficiency	97.3%	
MPPT Efficiency	>99.5%	
Night Power Consumption /mW	110	
General Data	BDM-800	BDM-1000
Operating Ambient Temperature Range /°C	-40~65	
Relative Humidity Range	0~100%	
Dimensions (W x H x D) /mm	268 x 250 x 42	
Weight /kg	2.9	
DC Connector Type	MC4	
AC Connection Type (inverter-inverter)	Trunk Cable	
Communication Method	PLC or WiFi	
Protection Class	IP 67	

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