NEP
NORTHERN ELECTRIC

BDM-2000

Micro Inverter

Model

BDM-2000

Input	DC	BDM-2000
Recommended PV Module Power Range /W	750 x 4
MPPT Voltage Range /V	22-55
Startup Voltage /V	24
Max. Input Voltage /V	60
Max. Input Current /A	18 x 4
Overvoltage Protection Category	II

Output	AC	
Peak Output Power /VA	2000
Max. Continous Output Power /VA	1920
Rated Output Voltage /V	230
Nominal Output Voltage Range /V	Configurable
Max. Continous Output Current /A	8.3
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	15.3
THDi@Rated Power	<3%
Max. Units per 20A Branch	2
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	337 x 233 x 39.5
Weight /kg	6
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 gid
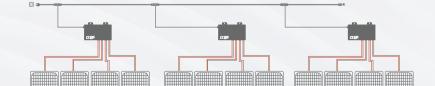2 The AC frequency range may vary depending on specific countrygrid

Features

efficiency
◉ MTTP tracking efficiency up to 99.9%
◉ CEC weighted average efficiency up tp 96.5%
◉ independent MTTP tracking
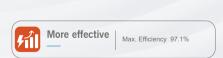◉ Different orientations & other "short board effects"
◉ Liker system shadow occlusion

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

reliability
◉ IP66/IP67 protection level
◉ 10 years warranty with 25 years extension.
◉ -40℃ to 85℃ operating temperature

flexibility
◉ plug and play installation
◉ easy to expand or change
◉ simple and convenient

certification
◉ UL, CSA, VDE-AR-N 4105, VDE 0126, CE and others

Intelligence
◉ component level monitoring with built-in PLC and WiFicommunication methods
◉ real-time control of power plant operation status
◉ automatic high temperature and fault warning
◉ accurate to every minute of data
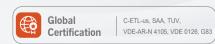◉ precise positioning pf fault points

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	