

BDM-300/400

Micro Inverter



Features

Convenient

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

Safe and Reliable

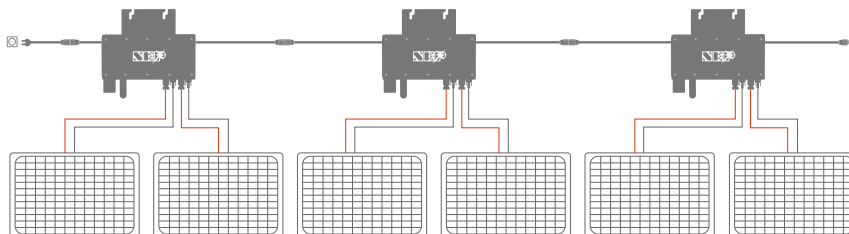
- Integrated grounding for easy installation
- NEMA-6/IP-66/IP-67 enclosure rating

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** | IP66/67

Model

BDM-300/400

Input DC	BDM-300	BDM-400
Recommended PV Module Power Range /W	450	600
MPPT Voltage Range /V	22-55	
Startup Voltage /V	24	
Max. Input Voltage /V	60	
Max. Input Current /A	14	
Overvoltage Protection Category	II	
Output AC		
Peak Output Power /VA	350	400
Max. Continuous Output Power /VA	300	350
Rated Output Voltage /V	230	
Nominal Output Voltage Range /V	Configurable	
Max. Continuous Output Current /A	1.3	1.52
Nominal Frequency / Range /Hz	50 / Configurable	
Power Factor (Nominal/Adjustable Range)	1.0/0.8 leading...0.8 lagging	
AC Short Circuit Fault Current Over 3 cycles /Arms	2.2	2.4
THDi@Rated Power	<3%	
Max. Units per 20A Branch	12	10
Overvoltage Protection Category	III	
Efficiency		
Peak Efficiency	97.1%	97.3%
MPPT Efficiency	>99.5%	
Night Power Consumption /mW	80	
General Data		
Operating Ambient Temperature Range/°C	-40~65	
Relative Humidity Range	0-100%	
Dimensions (W x H x D) /mm	180 x 186 x 25	
Weight /kg	1.5	
DC Connector Type	MC4	
AC Connection Type (inverter-inverter)	Daisy Chain AC Bus	
Communication Method	PLC or WiFi	
Protection Class	NEMA-6 / IP-66 / 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