

BDM-500/600

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

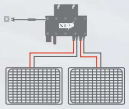
reliability
- IP67 protection level
- -40˚C to 65˚C operating temperature
- 12 years warranty with 25 years extension.

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

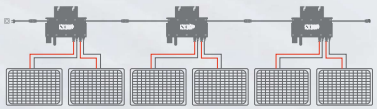
certification
- EMC, RED, ROHS, CEI, VDE, CE and others

Intelligence
- component level monitoring with built-in WiFi or PLC communication
- 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 — EMC, RED, ROHS, CEI, VDE, CE

More secure — Built-in GFDI, Lightning protection 6000V

More Reliability — IP67

Model

BDM-500/600

Input | DC	BDM-500	BDM-600
Recommended PV Module Power Range /W	375 x 2	450 x 2
MPPT Voltage Range /Vdc	22-55	
Startup Voltage /Vdc	24	
Max. Input Voltage /Vdc	60	
Max. Input Current /A	12.5 x 2	14 x 2
Overvoltage Protection Category	II	
Output | AC		
Peak Output Power /VA	550	650
Max. Continous Output Power /VA	500	600
Rated Output Voltage /Vac	230	
Nominal Output Voltage Range /Vac	Configurable	
Max. Continous Output Current /A	2.17	2.61
Nominal Frequency / Range /Hz	50 / Configurable	
Power Factor (Nominal/Adjustable Range)	>0.99(full load)	
AC Short Circuit Fault Current Over 3 cycles /Arms	4.4	
THDi@Rated Power	<5%	
Max. Units per 20A Branch	7	6
Overvoltage Protection Category	III	
Efficiency		
Peak Efficiency	97.1%	
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	277 x 132 x 50	
Weight /kg	3.9	
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