

BDM-300/350/400

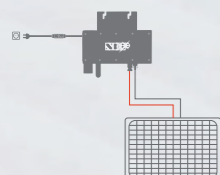
Micro Inverter



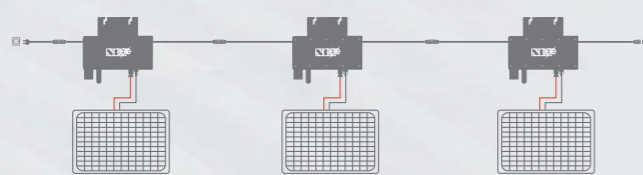
Features

- 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
 - 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**
 - RED, ROHS, UTE, EMC, CEI and others
- Intelligence**
 - Panel 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 | RED, ROHS, UTE, EMC, CEI

More secure | Built-in GFDI
Lightning protection 6000V

More Reliability | IP67

Model

BDM-300/350/400

Input DC	BDM-300	BDM-350	BDM-400
Recommended PV Module Power Range /W	450	520	600
MPPT Voltage Range /Vdc	22-55		
Startup Voltage /Vdc	24		
Max. Input Voltage /Vdc	60		
Max. Input Current /A	14	16	18
Overvoltage Protection Category	II		
Output AC			
Peak Output Power /VA	300	350	400
Max. Continuous Output Power /VA	300	350	400
Rated Output Voltage /Vac	230		
Nominal Output Voltage Range /Vac	Configurable		
Max. Continuous Output Current /A	1.4	1.53	1.74
Nominal Frequency / Range /Hz	50 / Configurable		
Power Factor (Nominal/Adjustable Range)	>0.99(full load)		
AC Short Circuit Fault Current Over 3 cycles /Arms	2.2	2.4	2.4
THDi@Rated Power	<5%		
Max. Units per 20A Branch	12	11	10
Overvoltage Protection Category	III		
Efficiency			
Peak Efficiency	97.1%	97.3%	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	2.1		
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