

# BDM-1600/2000/2250

## Micro Inverter

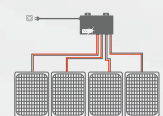


### Features

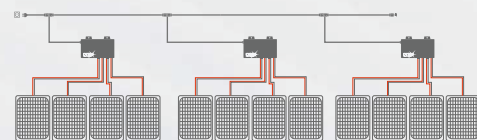
- efficiency**
  - MPPT tracking efficiency up to 99.9%
  - CEC weighted average efficiency up to 96.5%
- security**
  - maximum DC input voltage is 60V
  - equipped with various protections such as GFDI, surge protection
- reliability**
  - IP67 protection level
  - 12 years warranty with 25 years extension.
  - -40°C to 65°C operating temperature
- flexibility**
  - plug and play installation
  - easy to expand or change
  - simple and convenient
- certification**
  - UTE, INMETRO, CE and others
- Intelligence**
  - Panel level monitoring with built-in WiFi communication methods
  - 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 | UTE, INMETRO, CE

More secure | Built-in GFDI  
Lightning protection 6000V

More Reliability | IP67

### Model

### BDM-1600/2000/2250

Input   DC	BDM-1600	BDM-2000	BDM-2250
Recommended PV Module Power Range /W	600 x 4	750 x 4	750 x 4
MPPT Voltage Range /Vdc	22-55	22-55	22-55
Startup Voltage /Vdc	24	24	24
Max. Input Voltage /Vdc	60	60	60
Max. Input Current /A	20 x 4	20 x 4	20 x 4
Overvoltage Protection Category	II	II	II
Output   AC			
Peak Output Power /VA	1600	2000	2250
Max. Continuous Output Power /VA	1600	2000	2250
Rated Output Voltage /Vac	230	230	230
Nominal Output Voltage Range /Vac	Configurable	Configurable	Configurable
Max. Continuous Output Current /A	7	8.69	9.78
Nominal Frequency / Range /Hz	59.3-60.5(Adjustable)	59.3-60.5(Adjustable)	59.3-60.5(Adjustable)
Power Factor (Nominal/Adjustable Range)	>0.99(full load)	>0.99(full load)	>0.99(full load)
AC Short Circuit Fault Current Over 3 cycles /Arms	15.3	15.3	15.3
THDi@Rated Power	<3%	<3%	<3%
Max. Units per 20A Branch	2	2	2
Overvoltage Protection Category	III	III	III
Efficiency			
Peak Efficiency		97.3%	
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		351 x 275.5 x 39.5	
Weight /kg		6.0	
DC Connector Type		QC4	
AC Connection Type (inverter-inverter)		Plugin AC Connector or Daisy Chain AC Bus or Trunk Cable	
Communication Method		PLC or WiFi(2.4G)	
Protection Class		IP66/IP67	

<sup>1</sup> The AC voltage range may vary depending on specific country grid  
<sup>2</sup> The AC frequency range may vary depending on specific country grid