

# BDM-1000

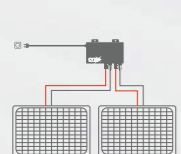
## Micro Inverter



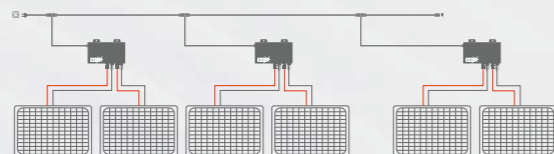
### Features

- 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**
  - UL, RED, ROHS, EMC, UTE, INMETRO, VDE, CE and others
- Intelligence**
  - Panel level monitoring with built-in PLC and 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 97.3%

**Global Certification** | UL, RED, ROHS, EMC, UTE, INMETRO, VDE, CE

**More secure** | Built-in GFDI  
Lightning protection 6000V

**More Reliability** | IP67

### Model

BDM-1000

Input   DC	BDM-1000
Recommended PV Module Power Range /W	750 x 2
MPPT Voltage Range /Vdc	22-55
Startup Voltage /Vdc	24
Max. Input Voltage /Vdc	60
Max. Input Current /A	18 x 2
Overvoltage Protection Category	II
Output   AC	
Peak Output Power /VA	1000
Max. Continuous Output Power /VA	1000
Rated Output Voltage /Vac	230
Nominal Output Voltage Range /Vac	Configurable
Max. Continuous Output Current /A	4.4
Nominal Frequency / Range /Hz	50 / Configurable
Power Factor (Nominal/Adjustable Range)	>0.99(full load)
AC Short Circuit Fault Current Over 3 cycles /Arms	8.2
THDi@Rated Power	<5%
Max. Units per 20A Branch	4
Overvoltage Protection Category	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	268 x 250 x 46.5
Weight /kg	3.4
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

1 The AC voltage range may vary depending on specific country grid  
2 The AC frequency range may vary depending on specific country grid