BDM-800

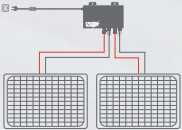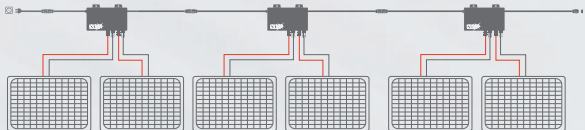**Micro Inverter**

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 WiFicommunication methods
- ◎ real-time control of power plant operation status
- ◎ automatic high temperature and fault warning
- ◎ accurate to every minute of data
- ◎ precise positioning of fault points

Balcony Solution

Rooftop Solution

More effective — Max. Efficiency 97.1%

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

More secure Built-in GFDI / Lightning protection 6000V

More Reliability IP67

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Model

Input | DC	BDM-800
Recommended PV Module Power Range /W	600 x 2
MPPT Voltage Range /Vdc	22-55
Startup Voltage /Vdc	24
Max. Input Voltage /Vdc	60
Max. Input Current /A	17 x 2
Overvoltage Protection Category	II
Output | AC	
Peak Output Power /VA	800
Max. Continous Output Power /VA	800
Rated Output Voltage /Vac	230/240
Nominal Output Voltage Range /Vac	Configurable
Max. Continous Output Current /A	3.48/3.34
Nominal Frequency / Range /Hz	50 / 60
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	5
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 30.5
Weight /kg	3.0
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