



MICROINVERTER

/ MAXIMIZED EFFICIENCY

Individual optimization, separate dedicated MPPT for each panel.
New topology design, max. efficiency up to 96.2%.

/ SAFETY

Max. DC voltage 60V. No threat for high DC voltage.
Integrated LoM protection function. Ensure the safety of power grid.

/ FLEXIBILITY

Modular design and product standardization.
Plug & play installation, easy to install.

/ RELIABILITY

Metal shell and glue filling technology. Better thermal dissipation. Standard 10 years warranty, quality guaranteed.

400/800W MICROINVERTER



TECHNICAL DATA

MODEL	BDN400W	BDN800W
Input Data (DC)		
Module Power(W)	320-540	2x(320-540)
MPPT Voltage Range(V)	30-48	30-48
Start-up Voltage(V)	25	25
Operating Voltage Range(V)	25-60	25-60
Maximum Input Voltage(V)	60	60
Maximum Input Current(A)	1x14.0	1x14.0
Output Data (AC)		
Rated Output Power(VA)	400	800
Rated Output Current(A)	1.7	3.4
Nominal Output Voltage(V)	230(210-250Vac)	230(210-250Vac)
Nominal Frequency/Range(Hz)	47.5-51.5	47.5-51.5
Power Factor(adjustable)	>0.99/0.95leading...0.95lagging	>0.99/0.95leading...0.95lagging
Total Harmonic Distortion	<5%	<5%
Maximum Units per Branch	11	6
Efficiency		
CEC Peak Efficiency	95.20%	96.20%
CEC Weighted Efficiency	94.00%	95.00%
Nominal MPPT Efficiency	99.50%	99.50%
Nighttime Power Consumption(mW)	<80	<80
General Data		
Ambient Temperature Range(°C)	-40~+65	-40~+65
Dimensions(WxHxDmm)	212*236*40	307.5*236*40
Weight(kG)	2.8	3.8
Enclosure Rating	Outdoor (Ip67)	Outdoor (Ip67)
Cooling	Natural Convection (no fans)	Natural Convection (no fans)
Communication	Wi-Fi +Bluetooth	Wi-Fi +Bluetooth
DC Connector Type	Mc4	Mc4
Packaging		
Inner Box Size	360*320*150 1PC/CTN	460*320*150 1PC/CTN
Carton Size	490*390*360 3PCS/CTN	490*490*360 3PCS/CTN
Pieces per Pallet	90PCS	60PCS
Pallets per Container	20'HQ 10/40'HQ 20	20'HQ 10/40'HQ 20
Pieces per Container	20'HQ 900PCS/40'HQ 1800PCS	20'HQ 600PCS/40'HQ 1200PCS

Compliance

VDE-AR-N 4105:2018, EN 50549-1:2019;
VFR2019; IEC/EN 62109-1/-2;
IEC/EN 61000-6-1/2/3/4; IEC/EN61000—3-2/-3