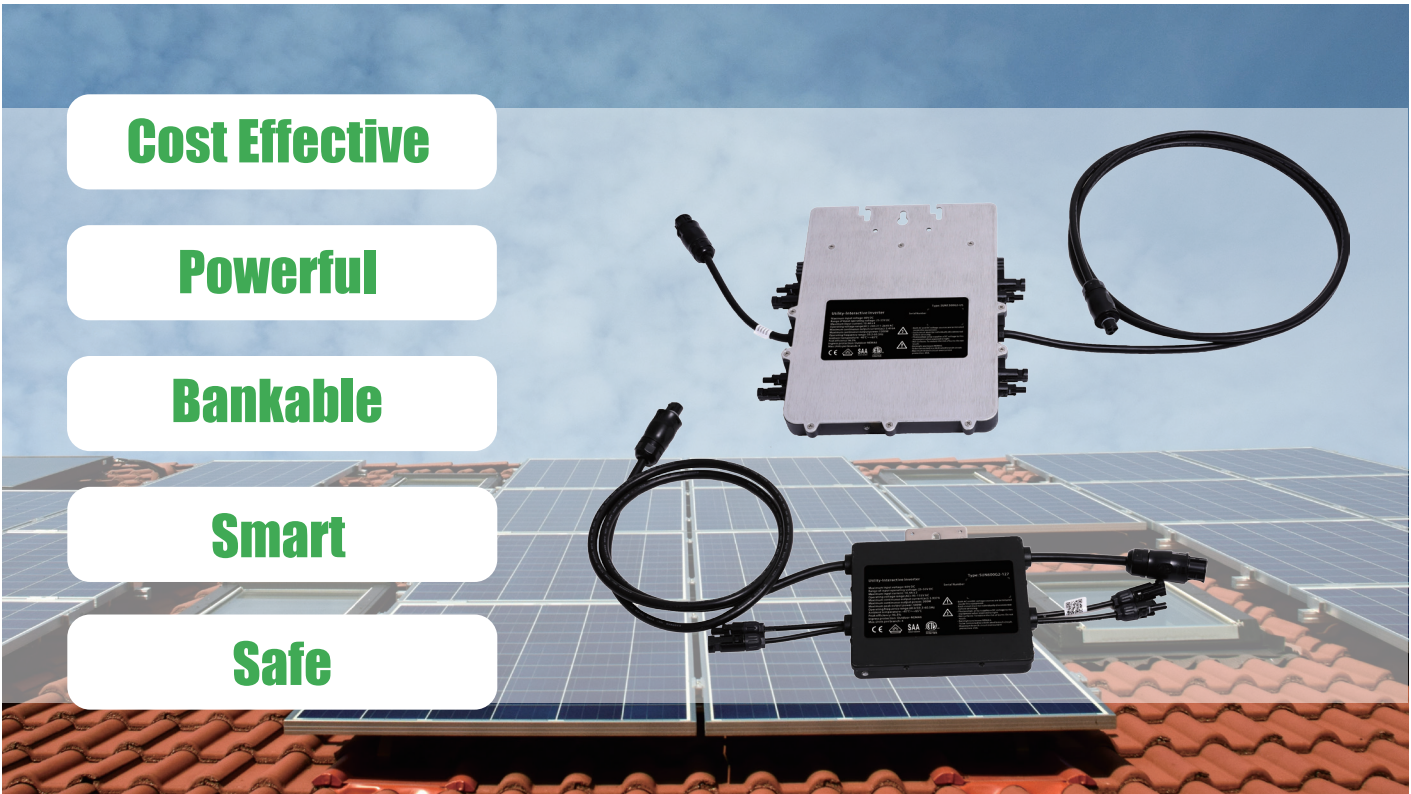




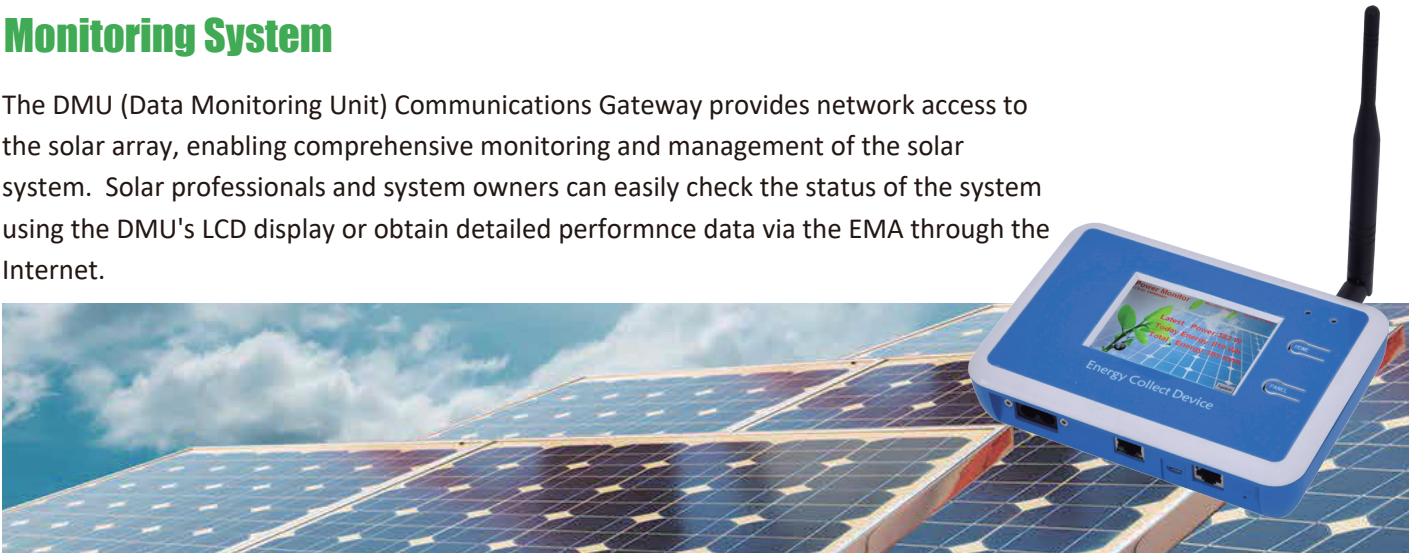
Our microinverter converts the DC output from the solar panel module, to the proper AC current for the grid. Each microinverter is designed to handle two or four solar modules simultaneously. Each individual module has its own MPPT curve. These grid-tied solar PV microinverters are designed to operate in a variety of conditions, with temperatures ranging from -40°C to +65°C. Our microinverters carry a 12-year warranty, and have an expected lifetime of 25 years (matching the life expectancy of most solar modules).

Optional models:

600W	BPE600-US/EU/SAA	1300W	BPE1300-US/EU/SAA
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Monitoring System

The DMU (Data Monitoring Unit) Communications Gateway provides network access to the solar array, enabling comprehensive monitoring and management of the solar system. Solar professionals and system owners can easily check the status of the system using the DMU's LCD display or obtain detailed performnce data via the EMA through the Internet.



Technical Specifications

INPUT DATA (DC)	BPE600/1300-US	BPE600/1300-EU	BPE600/1300-SAA
Recommended Input Power (STC)	600/210-370W (2 Pieces) 1300/210-370W (4 Pieces)		
Maximum Input DC Voltage	60V		
Peak Power Tracking Voltage	25V - 55V		
Operating Range	20V -55V		
Min/Max Start Voltage	20V/60V		
Max DC Short Circuit Current	13A		
Max Input Current	10.4*2/10.4*4		
OUTPUT DATA (AC)			
Peak Output Power	600W/1300W		
Maximum Output Power	600W/1300W		
Nominal Output Current	2.5A/5.416A		
Nominal Voltage/Range	208V/183V -228V 240V/211V -264V	a.c.184 -265V @230VAC	a.c.200 -270V @230VAC
Nominal Frequency/Range	60.0/59.3 -60.5Hz	50.0/47.5 -51.5Hz	50.0/45-55Hz
Extended Frequency/Range	60.0/59.3 -60.5Hz	50.0/47.5 -51.5Hz	50.0/45-55Hz
Power Factor	>0.95		
Maximum units per Branch	8/4		
EFFICIENCY			
CEC Weighted Efficiency	95%		
Peak Inverter Efficiency	96.5%		
Static MPPT Efficiency	99%		
Night Tme Power Consumption	50mW		
MECHANICAL DATA			
Ambient Temperature Range	- 40℃ - +65℃		
Dimensions (WxHxD)	420mm×226mm×66mm (BPE600) 490mm×460mm×60mm (BPE1300)		
Weight	4kg/6kg		
Cooling	Natural convection-No fans		
Enclosure Environmental Rating	Outdoor-NEMA6/IP67		
FEATURES			
Compatibility	Compatible with 60-82 cell PV modules		
Communication	Power line/Zigbee		
Compliance	UL1741/IEEE1547,G83 /VDE4105 AS3100,AS4777.2,AS4777.3 CAN/CSA-C22.2 NO.107.1 IEC62109-IEC62109-2/EN50438 IE		
Warranty	12 years		