

Leading the Industry in Microinverter Technology

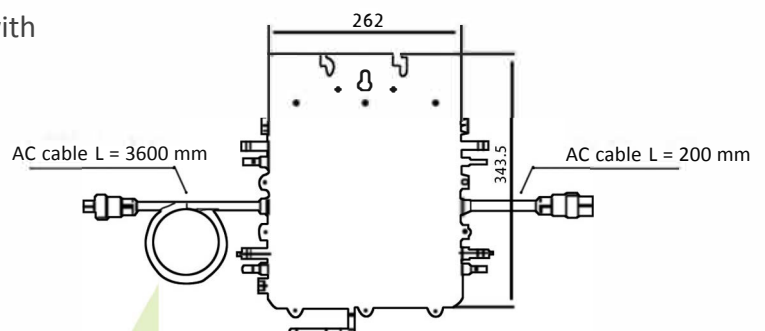
BPE1300 Microinverter

- › Single unit connects four solar modules
- › Maximum output power 1300w
- › Individual MPPT for each module
- › Rated up to 370w
- › Up to 16 solar modules (4xBPE1300) in a string with a 25A breaker
- › 12/25 year warranty
- › Wi-Fi, power line or ZigBee communication
- › Free panel level monitoring



Our flagship product, the BPE1300 is a grid-tied microinverter with intelligent networking and monitoring systems to ensure maximum efficiency. Highly dependable and cost effective, the BPE1300 handles 210w to 370w modules with negligible clipping, delivering 325w AC per module with four MPPT.

DIMENSIONS



BPE-MI-1300 Microinverter Datasheet

Input Data (DC)	
MPPT Voltage Range	25V - 55V
Operation Voltage Range	20V - 55V
Maximum Input Voltage	60 V
Startup Voltage	20 V
Maximum Input Current	10.4A x 4
Maximum DC Short Circuit Current	13A
Output Data (AC)	
Maximum Output Power	1300w
Nominal Output Voltage	230/240 V
Nominal Output Current	5.416A
Default/Protect Output Voltage Range	184 - 265V
Extended/Reconnect Output Voltage Range	184 - 265V
Nominal Output Frequency	50Hz/60Hz Auto Sense
Default/Protect Output Frequency Range	50Hz/45-55,60Hz/59-60.5
Extended/Reconnect Output Frequency Range	50Hz/45-55,HZ/59.3-60.5
Power Factor	> 0.99
Total Harmonic Distortion	<3%
Efficiency	
Max. Inverter Efficiency	96.5 %
Night Power Consumption	50mW
Mechanical Data	
Operating Ambient Temperature Range	- 40°C to + 65°C
Storage Temperature Range	- 40°C to + 85°C
Dimensions (WxHxD)	490mm X 460mm X 60mm
Weight	6.5kg
Communication	Powerline/Zigbee
Enclosure Rating	IP 67
Cooling	Natural Convection - No Fans
Wet Locations Classification	For Wet Locations
Pollution Degree Classification	PD3
Relative Humidity Ratings	0 - 95%
Maximum Altitude Rating	All Data in The Technical Specifications Has Been Tested Under <2000m
Certifications	UL1741,VDE0126,VDE4105,IEC62109,CE,SAA,EN50438IE