

Microinverter Range

BPE-MI-500/800/2000-EU



SAFE

Relay integrated.



QUALITY

Components selected from world-class brands.



MONITORING

Wi-Fi or PLC communication integrated as standard in each unit for resilience



FLEXIBILITY

Adapts to any system size and optimises space.



PLUG & PLAY

Hand-in-hand design, fewer add-ons, and fast installation.



10 YEARS

10 Year Warranty (Optional 25 year warranty)



MODULE-LEVEL

Module-level optimisation & monitoring. 1 MPPT per port

Microinverter (Integrated NS Protection Device)	BPE-MI-500-EU	BPE-MI-800-EU	BPE-MI-2000-EU
Input Data (DC)			
Recommended Input Power (STC)	300-700W (60-75 cell panels)	600-700W (2 Panels)	450-750W (4 Panels)
Maximum Input DC Voltage (V)	60		
MPPT Voltage Range (V)	24-50		
Full Load DC Voltage Range (V)	16-60		
Max. DC Short Circuit Current (A)	20A	30Ax1 or 20Ax2	20Ax4
Max. Input Current (A)	18A	26Ax1 or 13Ax2	18Ax4
No.of MPP Trackers	1	2	4
No.of Strings per MPP Tracker	1		
Output Data (AC)			
Max. Output Apparent Power (VA)	520	820	2000
Rated Output Power (W)	500	800	2000
Rated Output Current (A)	2.27A	3.64A	9.70A
Max.AC Output Current (A)	2.27A	3.64A	9.70A
Grid Connection Form	L+N+PE 220V/189V-260V 230V/ 189V-260V		
Rated output voltage/range (V)	L+N+PE 220V/189V-260V 230V/ 189V-260V		
Rated Grid Frequency/range (Hz)	50Hz/46.5Hz-52.5Hz 60Hz/57.5Hz-62Hz		
Power Factor Adjustment Range	>0.99		
Total Harmonics Current Distortion (THDi)	<3%		
DC Component Of Grid	<0.5%In		
Maximum Units per Branch	8	6	4
Efficiency			
Max Efficiency	96.5%		
MPPT Efficiency	>99%		
Mechanical Data			
Night Time Power Consumption	<100mW		
Ambient Temperature Range	-40-70°C, >45°C Derating		
Dimensions (WxHxD mm)	210x230x34mm	218x215x40mm	389x302x43mm
Weight (kg)	2.39	3.6	7.2
Cooling	Natural Cooling		
Enclosure Environmental Rating	IP67		
Features			
Communication	WIFI/PLC		
Grid Connection Standard	VDE-AR-N 4105, IEC/EN61000,IEC/EN62109-1/2,EN50549-1/2019,TOR 2019, C10/11:2019,CEI 0-21 UTE C15-712-1:2013,VFR 2019		
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2		
Warranty	10 Years (25 Years Optional)		