

IGPB SERIES - SINGLE PHASE | TECHNICAL SPECIFICATION

MODELS	IGPB-1kw	IGPB-2kw	IGPB-3kw	IGPB-4kw	IGPB-5kw
INPUT SIZE DATA					
Max. PV input power (W)	1200	2400	3600	4800	6000
Max. DC voltage (V)	500	500	600	600	600
MPP Voltage Range (VDC)	90-450	90-450	90-520	150-520	150-520
Min Startup voltage	90	90	90	150	150
Max. Input Current (Amps)	11	11	11	15	15
No. of MPPT	1	1	1	2	2
Max. Number of PV strings per MPPT	1	1	1	1	1
AC SIZE DATA					
Rated Output Data (W)	1000	2000	3000	4000	5000
Rated Grid Voltage (VAC)	220 / 230 / 240				
Grid Voltage Range (VAC)	180 - 270				
Rated AC Current (Amp)	5.5	10	15	18	25
Rated Grid Frequency (Hz)	50 / 60				
Grid Frequency Range (Hz)	47 - 53 / 57 - 63				
Output Current THD	< 3% (at nominal power)				
Power Factor	> 0.99 (at nominal power)				
SYSTEM					
Max. Efficiency	97%	97.3%	97.5%	97.5%	97.6%
Euro. Efficiency	96.3%	96.7%	97%	97.5%	97.1%
Protection Degree	IP65 (Outdoor)				
Night Power Consumption	< 1 W				
Operating Temperature	-25 to +60 Deg. C				
Cooling Method	Convection				
Relative Humidity	0 - 95%, non condensing				
Max. Working Altitude	4000 mtr				
DC connection type	SUNCLIX/MC4				
AC connection type	Screw damp/plug-in				
DISPLAY AND COMMUNICATIONS					
Display	LCD (16 x 2 characters)				
Standard Comm. Interfaces	RS485 / USB				
Optional Comm. Interfaces	Ethernet				
MECHANICAL					
Dimensions (W x H x D) mm	346 x 346 x 132	346 x 346 x 132	346 x 346 x 146	405 x 480 x 200	405 x 480 x 200
Net Weight (kg)	6.5	6.5	6.8	19.5	19.5

*Specifications are subject to change without prior notice

BLOCK DIAGRAM

