

IGPB SERIES - 3 PHASE | TECHNICAL SPECIFICATION

MODELS	IGPB-6kw	IGPB-11kw	IGPB-17kw	IGPB-22kw	IGPB-34kw	IGPB-56kw	IGPB-67kw
INPUT SIDE DATA							
Max. PV input power (W)	7200	12000	18000	24000	40000	60000	72000
Max. PV input voltage (V)	1000					1100	
Startup voltage (V)	250	250	250	250	250	250	250
Nominal input voltage (V)	640	640	640	640	640	620	620
MPP voltage range (V)	200 - 900	200-950	270-950	270-950	270-950	300-950	300-950
No. of MPPTs	2	2	2	2	2	4	4
Max. Number of PV strings per MPPT	1	2/1	3	2	4	3	3
Max. PV input current (A)	22	26	44	44	68	114	114
Current Per MPPT channel (A)	(11 / 11)	(15/11)	(22/22)	(22/22)	(34/34)	28.5/ 28.5/ 28.5/ 28.5	
OUTPUT SIDE DATA							
Nominal AC output power (W)	6000	10000	15000	20000	33000	50000	60000
Max. AC output current (A)	9.2	15.1	24	30	48	83	100
Nominal AC voltage	3/N/PE,230/400 Vac						
AC voltage range (L-T)	300-480VAC						
Nominal grid frequency	50/60 Hz						
Grid frequency range	47-53Hz/57-63 Hz						
THD	< 3% (nominal power)						
DC current injection	< 0.5% In						
Power factor	> 0.99@ default value at nominal power						
PROTECTION							
Protections	Anti-islanding/DC reverse connection/AC short circuit/Leakage current/ Over voltage						
PV Fuse on Solar DC inputs	Not included		Not included		Included		Not included
DC switch	Yes						
Overvoltage protection	Type II surge arrester						
SYSTEM DATA							
Max. Efficiency (%)	98	98.1	98.3	98.3	98.5	98.9	99.0
Max. European efficiency (%)	97.5	97.6	97.9	97.9	98.2	98.4	98.5
Isolation method	Transformerless						
Ingress protection rating	IP65 (Fan IP55)						
Night power consumption	< 1W						
Operating ambient temperature range	-25 to +60°C						
Allowable relative humidity range	0-95% no condensing						
Cooling method	Convection	Smart forced air cooling					
Max. operating altitude	2000m		4000m (>2000m derating)				
Display	Graphical LCD					Alphanumeric LCD	
Communication	RS485 (RJ45 connector)						
DC connection type	SUNCLIX/MC4						
AC connection type	Modular connector / Clamping yoke connector / Screw clamp terminal						
MECHANICAL DATA							
Dimensions (W*H*D) (mm)	405x498x222	405x498x255	500x758x175		510x710x260	630x700x357	630x700x357
Mounting method	Wall bracket						
Weight (Kg)	20	25	48	48	58	63	65

*Specifications are subject to change without prior notice