

G SERIES Single-Phase INVERTER ON GRID SERIES



TECHNICAL SPECIFICATIONS

Model	G7000	G8000	G9000	G10000	G10500
INPUT					
PV					
Max.Recommended DC Power [W]	13500	13500	13500	13500	13500
Max.DC Voltage [V]	600	600	600	600	600
Nominal DC Operating Voltage [V]	360	360	360	360	360
Max. Input Current (input A/input B/input C) [A]	14A/ 14A/ 14A				
Max. Short Circuit Current (input A/input B/input C) [A]	18A/ 18A/ 18A				
MPPT Voltage Range [Vdc]	80-550	80-550	80-550	80-550	80-550
Start-up Voltage [V]	120	120	120	120	120
No. of MPP Trackers	3	3	3	3	3
Strings Per MPP Tracker	1	1	1	1	1
OUTPUT					
AC					
Nominal AC Power [W]	7000	8000	9000	10000	10500
Max. Apparent AC Power [VA]	7700	8800	9900	10500	10500
Rated Grid Voltage [Vac]	220/230/240				
Rated Grid Frequency [Hz]	50/60Hz, ±5Hz				
Nominal AC Current [A]	31.8	36.4	40.9	45.5	47.7
Max. AC Current [A]	35.0	40.0	45.0	47.7	47.7
Displacement Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)				
Total Harmonic Distortion (THDi, Nominal output)	<3%	<3%	<3%	<3%	<3%
EFFICIENCY					
MPPT Efficiency	99.00%	99.00%	99.00%	99.00%	99.00%
Euro-efficiency	97.40%	97.40%	97.40%	97.40%	97.40%
Max. Efficiency	97.80%	97.80%	97.80%	97.80%	97.80%
PROTECTION					
DC Reverse-polarity Protection	YES				
Anti-Islanding Protection	YES				
Insulation Monitoring	YES				
Residual Current Monitoring	YES				
AC Short Circuit Protection	YES				
AC Output Over Current Protection	YES				
AC Output Over Voltage Protection	YES				
Arc fault protection	Optional				
DC SPD Protection	Type II (optional)				
AC SPD Protection	Type II				
Temperature Protection	YES				
Integrated DC Switch	Optional				
Safety	IEC62109-1/IEC62109-2				
EMC	EC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3				
Certification	RD1699/ EN50549 1/ ABNT NBR 16149/ABNT NBR 16150/IEC62116/AS NZS 4777.2 2015/VDE AR N 4105:2018 /G98 /G99				
GENERAL DATA					
Dimensions (WxHxD) [mm]	440*380*167				
Net Weight [kg]	19Kg				
Cooling Concept	Natural				
Ingress Protection (according to IEC60529)	IP65				
Topology	Transformerless				
Over Voltage Category	III (AC side), II (PV side)				
Noise Emission (typical) [dB]	<30dB				
Operating Temperature Range	-25..... +60°C (derating at +45°C)				
Storage Temperature Range	-40..... +70°C				
Humidity	0-100% (no condensation)				
Self Consumption (night) [W]	<1W				
Monitoring Module (optional)	External WIFI/GPRS(optional)				
Communication	RS485/Meter,CT,DRM, USB update				
Display	LCD screen,touch key,App,Web site				