

S SERIES (G2) SINGLE MPPT INVERTERS ON GRID SERIES



TECHNICAL SPECIFICATIONS

Model	S700-G2	S1000-G2	S1500-G2	S2000-G2	S2500-G2	S3000-G2	S3300-G2
INPUT							
PV							
Max. Recommended DC Power [W]	1050	1500	2250	3000	3750	4500	4950
Max. DC Voltage [V]	500	500	500	500	500	500	500
Nominal DC Operating Voltage [V]	360	360	360	360	360	360	360
Max. Input Current [A]	14	14	14	14	14	14	14
Max. Short Circuit Current [A]	18	18	18	18	18	18	18
MPPT Voltage Range [Vdc]	50-480	50-480	50-480	50-480	50-480	50-480	50-480
Start-up Voltage [V]	60	60	60	60	60	60	60
No. of MPP Trackers	1	1	1	1	1	1	1
Strings Per MPP Tracker	1	1	1	1	1	1	1
OUTPUT							
AC							
Nominal AC Power [W]	700	1000	1500	2000	2500	3000	3300
Max. Apparent AC Power [VA]	700	1000	1500	2000	2500	3000	3300
Rated Grid Voltage [Vac]	220/230/240						
Rated Grid Frequency [Hz]	50/60						
Nominal AC Current [A]	3.0	4.3	6.5	8.7	10.9	13.0	14.3
Max. AC Current [A]	3.5	4.8	7.2	9.6	12.0	14.3	14.3
Displacement Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)						
Total Harmonic Distortion (THDi, Nominal output)	<3%	<3%	<3%	<3%	<3%	<3%	<3%
EFFICIENCY							
MPPT Efficiency	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%
Euro-efficiency	96.50%	96.50%	96.50%	96.80%	96.80%	96.80%	96.80%
Max. Efficiency	97.20%	97.20%	97.30%	97.40%	97.40%	97.40%	97.40%
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						
Surge Protection	YES						
Temperature Protection	YES						
Integrated DC Switch	YES						
AFCI Protection	Optional						
STANDARD							
Safety	IEC 62109-1/2						
EMC	IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3						
Certification	EN 50549; C10/11; IEC 61727; ABNT NBR 16149/16150; IEC62116						
GENERAL DATA							
Dimensions (WxHxD) [mm]	290*220*116						
Weight [kg]	5.4						
Cooling Concept	Natural						
Topology	Non-isolated						
Ingress Protection (according to IEC60529)	IP65						
Over Voltage Category	III (AC side), II (PV side)						
Noise Emission (typical) [dB]	<30						
Max. Operating Altitude [m]	3000						
Operating Temperature Range [°C]	-25..... +60						
Humidity	0-100% (Transformerless)						
Self Consumption (night) [W]	<1						
Monitoring Module (optional)	External WIFI/GPRS(optional)						
Communication	RS485, Meter, CT, ISO alarm						
Display	LCD screen, Touch Key, App, Website						
Warranty [year]	10 (Standard)						