

TECHNICAL SPECIFICATIONS S SERIES (G2) SINGLE MPPT INVERTERS

Model	S700-G2	S1000-G2	S1500-G2	S2000-G2	S2500-G2	S3000-G2	S3300-G2
INPUT							
PV							
Max. Input Power[W]	1050	1500	2250	3000	3750	4500	4950
Max. Input Voltage[V]				500			
Start-up Input Voltage[V]				60			
Rated Input Voltage[V]				360			
MPPT Operating Voltage Range[V]				50 ~ 480			
Max. Input Current[A]				14			
Max. Short-circuit Current[A]				18			
No. of Independent MPP Trackers				1			
No. of Strings per MPP Tracker				1			
OUTPUT							
AC							
Rated Output Power[W]	700	1000	1500	2000	2500	3000	3300
Max. Output Apparent Power[VA]	800	1100	1650	2200	2750	3300	3300
Rated Grid Voltage[V]				220/230/240			
Rated Grid Frequency[Hz]				50/60			
Rated Output Current[A]	3.0	4.3	6.5	8.7	10.9	13.0	14.3
Max. Output Current[A]	3.5	4.8	7.2	9.6	12.0	14.3	14.3
Power Factor				1 (Adjustable from 0.8 leading to 0.8 lagging)			
Total Harmonic Distortion (THDi) [%]				<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							
Insulation Monitoring				YES			
Residual Current Monitoring				YES			
DC Reverse Polarity Protection				YES			
Anti-islanding Protection				YES			
AC Short-circuit Protection				YES			
AC Overcurrent Protection				YES			
AC Overvoltage Protection				YES			
Surge Protection				Optional (DC/AC: Type II)			
DC Switch				Optional			
AFCI				Optional			
GENERAL DATA							
Dimensions (WxHxD)[mm]				290*220*116			
Weight[kg]				5.4			
Cooling Method				Natural Convection			
Topology				Transformerless			
Noise Emission (typical)[dB]				<30			
Max. Operating Altitude[m]				3000			
Operating Temperature Range[°C]				-25 ~ 60			
Humidity [%]				0 ~ 100 (No Condensation)			
Protection Degree				IP65			
Internal Consumption at Night[W]				<1			
Monitoring Module				WIFI / 4G (Optional)			
Communication				RS485, Meter / CT, ISO Alarm			
Display				LCD, Touch Key, App, Website			
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)							
Safety				EN 62109-1/2, IEC 62109-2, BIS IS 16169, BIS IS 16221-2			
EMC				EN 61000-6-3, EN IEC 61000-3-2/3, EN IEC 61000-6-1/2/4			
Grid Regulation				ABNT NBR 16149, ABNT NBR 16150, C10/11, EN 50549-1, PN EN-50549-1, VDE V 0126-1-1, RD 1699, IEC 61727, IEC 62116, IEC 61683, IEC 60068-2-1/2/14/30/64, G98			