

Single phase S Series (G2)

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				Type II(DC) / Type II (AC)			
Temperature Protection				YES			
Integrated DC Switch				YES			
AFCI Protection	Optional (Available in 2022 Q2)						
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				Transformerless			
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 (derating at +45)						
Storage Temperature Range [°C]	-40..... +70						
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						

TECHNICAL SPECIFICATIONS

Model	S700	S1000	S1500	S2000	S2500	S3000	S3300
INPUT							
PV							
Max. Recommended DC Power [W]	1050	1500	2250	3000	3750	4500	4950
Max.DC Voltage [V]	500	500	500	500	550	550	550
Nominal DC Operating Voltage [V]	360	360	360	360	360	360	360
Max. Input Current [A]	12.5	12.5	12.5	12.5	12.5	12.5	12.5
Max. Short Circuit Current [A]	15	15	15	15	15	15	15
MPPT Voltage Range [Vdc]	50-500 Vdc	50-500 Vdc	50-500 Vdc	50-500 Vdc	50-550 Vdc	50-550 Vdc	50-550 Vdc
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]	800	1100	1650	2200	2750	3300	3300
Rated Grid Voltage [Vac]	220/230/240; 180-260						
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				Optional			
STANDARD							
Safety				IEC 62109-1/2			
EMC				IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3			
Certification				AS4777.2-2015/G98-1/G99-1/EN50549-1/CEI 0-21			
GENERAL DATA							
Dimensions (WxHxD) [mm]				334*350*115			
Weight [kg]				7.8			
Cooling Concept				Natural			
Topology				Transformerless			
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 (derating when >2000)			
Operating Temperature Range				-20..... +60°C (derating at +45°C)			
Humidity				0-100% (No condensation)			
Self Consumption (night) [W]				<1			
Monitoring Module (optional)				External WIFI/Lan/GPRS (optional)			
Communication				Meter, CT, DRM, RS 485			
Display				LCD screen, Touch Key, App, Website			

Single phase F Series

TECHNICAL SPECIFICATIONS

Model	F3000	F3600	F4600	F5000	F5300	F6000
INPUT						
PV						
Max.Recommended DC Power [W]	4500	5400	6900	7500	7950	9000
Max.DC Voltage [V]	600	600	600	600	600	600
Nominal DC Operating Voltage [V]	360	360	360	360	360	360
Max. Input Current (input A/input B) [A]	14/14					
Max. Short Circuit Current (input A/input B) [A]	18/18					
MPPT Voltage Range [Vdc]	80-550	80-550	80-550	80-550	80-550	80-550
Start output Voltage [V]	120	120	120	120	120	120
No. of MPP Trackers	2	2	2	2	2	2
Strings Per MPP Tracker	1	1	1	1	1	1
OUTPUT						
AC						
Nominal AC Power [W]	3000	3600	4600	5000	5300	6000
Max. Apparent AC Power [VA]	3300	3960	5060*1	5500*2	5830	6000
Rated Grid Voltage [Vac]	220/230/240					
Rated Grid Frequency [Hz]	50/60					
Nominal AC Current [A]	13.0	15.7	20.0	21.7	23.0	26.1
Max. AC Current [A]	14.3	17.2	22.0	23.9	25.3	26.1
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%
EFFICIENCY						
MPPT Efficiency	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%
Euro-efficiency	96.80%	96.80%	96.80%	96.80%	96.80%	96.80%
Max. Efficiency	97.40%	97.40%	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					
Integrated DC Switch	YES					
Temperature Protection	YES					
Surge Protection	Type III(DC)/Type III(AC)					
STANDARD						
Safety	IEC 62109-1/2					
EMC	IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3					
Certification	AS4777.2-2015/G98-1/G99-1/EN50549-1/IEC 61727 VDE-AR-N 4105/VDE0126-1-1/RD1699/ABNT NBR 16149/ABNT NBR 16150/C10/11					
GENERAL DATA						
Dimensions (WxHxD) [mm]	402*476.5*148					
Net Weight [kg]	15.5					
Cooling Concept	Natural					
Ingress Protection (according to IEC60529)	IP65					
Topology	Transformerless					
Over Voltage Category	III (AC side), II (PV side)					
Noise Emission (typical) [dB]	<30					
Operating Temperature Range [°C]	-20..... +60 (derating at +45)					
Storage Temperature Range [°C]	-40..... +70					
Humidity [W]	0-100% (no condensation)					
Self Consumption (night) [W]	<1					
Monitoring Module (optional)	External WIFI/Lan/GPRS (optional)					
Communication	Meter, CT, DRM, USB update, RS485					
Display	LCD screen, Touch Key, App,Web site					

*1 VDE-AR-N 4105: 4600VA
*2 C10/11: 5000VA

Model	G7000	G8000	G9000	G10000	G10500
INPUT					
PV					
Max.Recommended DC Power [W]	10500	12000	13500	15000	15750
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				
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	
Sugre Protection	Type II(DC) / Type II(AC)				
Temperature Protection				YES	
Integrated DC Switch				YES	
STANDARD					
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 /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[°C]	-25..... +60(derating at +45)				
Storage Temperature Range[°C]	-40..... +70				
Humidity	0-100% (no condensation)				
Self Consumption (night) [W]	<1				
Monitoring Module (optional)	External WIFI/GPRS(optional)				
Communication	RS485/Meter,CT,DRM, USB update				
Display	LCD screen,touch key,App,Web site				

Three phase T Series

TECHNICAL SPECIFICATIONS

MODEL	T3-G3	T4-G3	T5-G3	T6-G3	T8-G3	T10-G3	T12-G3	T15-G3	T17-G3	T20-G3	T23-G3	T25-G3
INPUT												
Max. Recommended DC power [W]	4500	6000	7500	9000	12000	15000	18000	22500	25500	30000	34500	37500
Max. DC Voltage [V]	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
Nominal DC Operating Voltage [V]	600	600	600	600	600	600	600	600	600	600	600	600
Max. Input Current (input A/input B) [A]	14/14	14/14	14/14	14/14	14/14	14/14	14/14	28/28	28/28	28/28	28/28	28/28
Max. Short Circuit Current (input A/input B) [A]	18.2/18.2	18.2/18.2	18.2/18.2	18.2/18.2	18.2/18.2	18.2/18.2	18.2/18.2	36.4/36.4	36.4/36.4	36.4/36.4	36.4/36.4	36.4/36.4
MPPT Voltage Range [Vdc]	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000	140-1000
MPPT Voltage Range (full load) [Vdc]	140-850	155-850	190-850	230-850	300-850	380-850	455-850	275-850	315-850	370-850	430-850	460-850
Start-up voltage [V]	140	140	140	140	140	140	140	140	140	140	140	140
No. of MPP Trackers	2	2	2	2	2	2	2	2	2	2	2	2
Strings per MPP Tracker	1+1	1+1	1+1	1+1	1+1	1+1	1+1	2+2	2+2	2+2	2+2	2+2
OUTPUT												
Nominal AC Power [W]	3000	4000	5000	6000	8000	10000	12000	15000	17000	20000	23000	25000
Max. Apparent AC Power [VA]	3000	4000	5000	6000	8000	10000	12000	15000	17000	20000	23000	25000
Rated Grid Voltage (AC Voltage Range) [Vac]	3/N/PE, 220V/380V, 230V/400V 240V/415V											
Rated Grid Frequency [Hz]	50/60											
Nominal AC Current [A]	4.3	5.8	7.2	8.7	11.6	14.5	17.4	21.7	24.6	29.0	33.3	36.2
Max. AC Current [A]	4.8	6.4	8.0	9.6	12.8	15.9	19.1	23.9	27.1	31.9	36.7	39.9
Displacement Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)											
Total Harmonic Distortion (THDi, @rated output)	<3%											
EFFICIENCY												
MPPT Efficiency [%]	99.8											
Euro Efficiency [%]	97.8											
Max. Efficiency (@rated voltage) [%]	98.6											
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:	Type II(DC) / Type II(AC)											
Temperature Protection:	YES											
Integrated DC Switch:	YES											
AFCI Protection	Optional											
String Level Monitor	YES							Optional				
STANDARD												
Safety	IEC62109-1/2											
EMC	IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3/IEC61000-4-2/3/4/5/6/8											
Certification	AS4777.2-2020 / VDE-AR-N 4105 /VDE0126-1-1 /G98 / G99 / EN50549-1/ CEI 0-21/ NB/T32004 IEC62116 /IEC61727 /IEC61683											
GENERAL DATA												
Dimensions (WxHxD) [mm]	370*480*183.5											
NET Weight [kg]	17						21					
Cooling Concept	Natural							FAN				
Protective class	I											
Degree of Protection (according to IEC60529)	IP65											
Topology	Transformerless											
Over Voltage Category	III (AC side), II (PV side)											
Noise [dB]	<30							<55				
Operating Temperature Range [°C]	-25..... +60(derating at +45)											
Storage Temperature Range [°C]	-40..... +70											
Altitude[m]	3000											
Humidity	0-100% (no condensation)											
Self Consumption (night) [W]	<3											
Pollution Degree	II											
Monitoring Module (optional)	RS485, WIFI (optional) / GPRS (optional) / 4G(optional)											
Communication	Meter, DRM, USB update, E-stop											
Display	LCD screen, Touch Key, App, Website											