

Residential and Business
Hybrid 3-Phase Solar Inverters

Solar Inverter SAN 3/3

PowerGlo[®]

Energy Management System
kompatibel

Web-Interface und Smartphone App



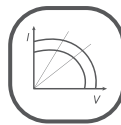
Passive
Cooling



Ingress
Protection 65



High Efficiency
(DC to AC)



2x MPP
Tracker



High-Voltage ESS
Compatible



Wi-Fi Module
Included



Bluetooth
Monitoring

Model	Solar Inverter SAN 6k	Solar Inverter SAN 10k
Rated Output Power	6 000 W	10 000 W
Parallel Operation	Up to 9 Units	
Compatible Battery Type	Lithium-ion / Lead-acid	
Minimum Requirement of Battery Configuration	2x LiFe Battery 102-37 Module + 1x Control Box	
Recommend Battery Configuration	3x LiFe Battery 102-37 Module + 1x Control Box	4x LiFe Battery 102-37 Module + 1x Control Box
Efficiency		
Maximum Efficiency (PV to AC)	98.2 %	98.4 %
DC Input (PV)		
Maximum PV Power	9 000 Wp	15 000 Wp
Maximum PV Voltage	1 000 V	
Start-Up Voltage	200 V	
PV Input Voltage Range	160 V ~ 1 000 V	
MPPT Voltage Range	160 V ~ 950 V	
Maximum Input Current (PV 1 / PV 2)	15 A / 15 A	20 A / 30 A
Maximum Short-Circuit Current	20 A / 20 A	30 A / 40 A
No. of MPP Trackers	2	
String per MPP Tracker (PV 1 / PV 2)	1 / 1	1 / 2



The range of output voltage and frequency may vary depending upon country regulation. Errors and misprint are possible in spite of careful editing - liability excluded. Specifications are subject to modifications.

Model	Solar Inverter SAN 6k	Solar Inverter SAN 10k
AC Input		
Maximum Apparent Power from Grid	15 800 VA	15 800 VA
Rated Voltage from the Grid	230/400 V (3W+N+PE)	
Input Frequency Range	50Hz or 60Hz (45Hz - 55Hz / 55Hz - 65Hz)	
Maximum AC Input Current	3 x 25 A	
AC Output		
No. of Phases	Three Phase	
Nominal AC Output Power	6 000 W	10 000 W
Maximum Output Apparent Power (PF=1)	6 600 VA	11 000 VA
Rated Voltage	230/400 V (3W+N+P)	
Output Frequency	45Hz - 55Hz / 55Hz - 65Hz	
Rated Output Current	8.7 A per Phase	14.5 A per Phase
Maximum AC Output Current	3 x 9.6 A	3 x 16 A
Power Factor / Range	> 0.99 at rated power (adjustable 0.8 LD - 0.8 LG)	
Battery Input (Charging)		
Maximum Charge Power	9 000 W	15 000 W
Maximum Charge Power from Grid to Battery	6 000 W	10 000 W
Nominal DC Voltage	250 V ~ 600 V	
Battery Voltage Range	150 V ~ 600 V	
Maximum Charge Current	25 A	50 A
Battery Output (Discharging)		
Nominal Output Voltage	230/400 V (3W+N+PE)	
Nominal Output Frequency	50 Hz or 60 Hz	
Output Wave Form	Pure Sine Wave	
Nominal Output Power	6 000 VA	10 000 VA
Maximum Discharge Power	7 000 W	11 300 W
Maximum Discharge Current	25 A	50 A
Transfer Times (AC to Battery)	10 ms (typical) ~ 20 ms (max.)	
Transfer Times in Parellel Operation	< 100 ms	
Protection		
Anti-Islanding Protection	Yes	
Insulation Detection	Yes	
DC (PV) Switch	Yes	
DC Surge Protection	Yes	
AC Surge Protection	Yes	
AC Overcurrent Protection	Yes	
AC Short Circuit Protection	Yes	
AC Overvoltage Protection	Yes	
Ground Fault Circuit Interrupter (GFCI)	Yes	
Environment and Logistics		
Maximum Operation Altitude	4000 m	
Ingress Protection Degree	IP65	
Operating Temperature Range	-25°C ~ 60°C	
Relative Humidity	0 ~ 100%	
Cooling	Passive Cooling	
Noise Emission	< 30 dB	
Dimensions (D x W x H) in mm	213 x 550 x 530	
Weight	29.6 kg	32 kg

Certification

Safety IEC 62109-1/2
EMC IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4, IEC 61000-3-2, IEC 61000-3-3
Grid Code VDE-AR-N 4105:2018, VDE V 0124-100:2020, EN 50549-1:2019/AC:2019, RfG:2016, NC RfG:2018, PTPIREE:2021

Grid Code Upon Request
VIV:2018, CEI 0-21:2022-03, CEI 0-21, VI:2022-II, PPDS Annex 4:2022, Netcode elektriciteit:2022, NTS Version 2.1, UNE 217001:2020, RD 1699:2011, RD 661:2007, RD 647:2020, RD 413:2014, UNE 217002:2020