

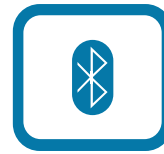
## Residential Hybrid Sol. Inverter

# Sol. Inverter SAN

**PowerGlo**

Energy Management System  
Compatible

Web-Interface  
and Smartphone App



Bluetooth  
Monitoring



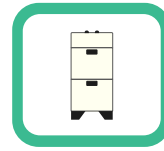
Wi-Fi Module  
Included



Passive  
Cooling



Ingress  
Protection 65



Low-Voltage ESS  
Compatible

Model	Sol. Inverter SAN 4.6k
Rated Output Power	4 600 W
Parallel Operation	Up to 9 Units
Compatible Battery Type	Lithium-ion / Lead-acid
<b>Efficiency</b>	
Maximum Efficiency (PV to AC)	97.3 %
<b>DC Input (PV)</b>	
Maximum PV Power	9 000 Wp
Maximum PV Voltage	550 V
Start-Up Voltage	90 V
PV Input Voltage Range	70 V ~ 550 V
MPPT Voltage Range	70 V ~ 520 V
Maximum Input Current (PV 1 / PV 2)	15 A / 15 A
Maximum Short-Circuit Current	20 A / 20 A
No. of MPP Trackers	2
String per MPP Tracker (PV 1 / PV 2)	1 / 1

Model	Sol. Inverter SAN 4.6k	
<b>AC Input</b>		
Maximum AC Input Power	4 600 W	
Maximum Input Apparent Power	4 600 VA	
AC Start-Up Voltage	196 V	
Input Voltage Range	150 V ~ 300 V	
Input Frequency Range	45 Hz - 55 Hz or 55 Hz - 65 Hz	
Maximum AC Input Current	41 A	
<b>AC Output</b>		
No. of Phases	Single Phase	
Nominal AC Output Power	4 600 W	10 000 W
Maximum Output Apparent Power (PF=1)	4 600 VA	10 000 VA
Rated Voltage	220/230/240 V (L+N+PE)	
Voltage Range	150 V ~ 300 V (adjustable)	
Output Frequency	50 Hz or 60 Hz	
Rated Output Current	20 A	
Maximum AC Output Current	22 A	
Power Factor / Range	> 0.99 at rated power (adjustable 0.8 LD - 0.8 LG)	
<b>Battery Input (Charging)</b>		
Maximum Charge Power	5 000 W	
Nominal DC Voltage	48 V	
Battery Voltage Range	40 V ~ 60 V	
Maximum PV / AC Charge Current	120 A	
<b>Battery Output (Discharging)</b>		
Nominal Output Voltage	230 V	
Nominal Output Frequency	50 Hz or 60 Hz	
Output Wave Form	Pure Sine Wave	
Nominal Output Power	4 600 W	
Maximum Discharge Power	5 000 W	
Nominal Output Current	20 A	
Maximum Discharge Current	120 A	
Transfer Times (AC to Battery)	10 ms (typical) ~ 20 ms (max.)	
Transfer Times in Parellel Operation	< 100 ms	
<b>Protection</b>		
Anti-Islanding Protection	Yes	
Insulation Detection	Yes	
DC (PV) Switch	Yes	
DC Surge Protection	Yes	
AC Surge Protection	Yes	
AC Overcurrent Protection	Yes	
AC Overvoltage Protection	Yes	
EPO (Emergency Power Off)	Yes	
<b>Environment and Logistics</b>		
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	< 35 dB	
Dimensions (D x W x H) in mm	175 x 485 x 515	
Weight	25 kg	