

Residential **Off Grid** Solar Inverters

Solar Inverter SKY

PowerGlo[®]

Energy Management System
kompatibel

Web-Interface und Smartphone App



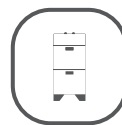
Ambient LCD
Lighting



Touchable
Display



Can work
without Battery



Low-Voltage ESS
Compatible



Wi-Fi Built-in
Ready!



USB-Type B
Monitoring

Model	3600 kW SKY	5600 kW SKY
Rated Output Power	3 600 W	5 600 W
Parallel Operation	Up to 9 Units	
Compatible Battery Type	Lithium-ion / Lead-acid	
Min. Requirements of the LiFe Battery System	1x LiFe Battery 48-100 Module	
Efficiency		
Maximum Efficiency (PV to AC)	96 %	
DC Input (PV)		
Maximum PV Power	5 000 Wp	6 000 Wp
Maximum PV Voltage	500 V	450 V
Start-Up Voltage	110V ± 15 V	
PV Input Voltage Range	120 V ~ 500 V	120 V ~ 450 V
MPPT Voltage Range	120 V ~ 430 V	
Maximum Input Current	18 A	27 A
Maximum Short-Circuit Current	52 A	65 A
No. of MPP Trackers	1	
String per MPP Tracker	1	

Model	3600 kW SKY	5600 kW SKY
AC Input		
Maximum AC Input Power	3 600 W	5 600 W
Maximum Input Apparent Power	3 600 VA	5 600 VA
AC Start-Up Voltage	170 V	
Input Voltage Range	170 ~ 280 V - UPS 90 ~ 280 V - Home Appliances	
Input Frequency Range	40 Hz ~ 65 Hz	
Maximum AC Input Current	40 A	
AC Output		
No. of Phases	Single Phase (≥ 3 Units to operate as a Three Phase)	
Nominal AC Output Power	3 600 W	5 600 W
Maximum Output Apparent Power (PF=1)	3 600 VA	5 600 VA
Rated Voltage	220 V/230 V/240 V	
Output Frequency	40 Hz ~ 65 Hz	
Maximum AC Output Current	15.6 A	24.3 A
Power Factor / Range	1	
Battery Input		
Maximum Charge Power	5 000 W	6 000 W
Nominal DC Voltage	48 V	
Battery Voltage Range	40 V ~ 66 V	
Maximum PV / AC Charge Current	100 A, default 30 A	120 A, default 30 A
Battery Output		
Nominal Output Voltage	220 V/ 230 V/ 240 V	
Nominal Output Frequency	50 Hz ~ 60 Hz	
Output Wave Form	Pure Sine Wave	
Nominal Output Power	3 600 W	5 600 W
Maximum Discharge Power	3 600 W	5 600 W
Nominal Output Current	21 A	32 A
Maximum Discharge Current	83 A	128 A
Transfer Times (AC to Battery)	≤ 10 ms	
Transfer Times in Parellel Operation	≤ 50 ms	
Protection		
AC Surge Protection	Yes	
AC Overcurrent Protection	Yes	
AC Short Circuit Protection	Yes	
AC Overvoltage Category (Mains)	OVC III	
Environment and Logistics		
Maximum Operation Altitude	Up to 1500 m	
Ingress Protection Degree	IP21	
Operating Temperature Range	-10°C ~ 50°C	
Relative Humidity	5 % ~ 95 % RH (No Condensing)	
Cooling	Active Cooling	
Noise Emission	< 60 dBA	
Dimensions (D x W x H) in mm	140 x 295 x 468	140 x 295 x 468
Weight	11 kg	12 kg

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.