

Residential **Off Grid** Solar Inverters

Solar Inverter LGT

PowerGlo[®]

Energy Management System
kompatibel

Web-Interface und Smartphone App



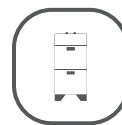
Ambient LCD
Lighting



Touchable
Display



Can work
without Battery



Low-Voltage ESS
Compatible



Wi-Fi Built-in
Ready!



USB-Type B
Monitoring

Model	3600 kW LGT	5600 kW LGT
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)	> 95 %	
DC Input (PV)		
Maximum PV Power	5 000 Wp	6 000 Wp
Maximum PV Voltage	500 V	450 V
Start-Up Voltage	150 V	
PV Input Voltage Range	120 V ~ 500 V	120 V ~ 450 V
MPPT Voltage Range	120 V ~ 430 V	120 V ~ 430 V
Maximum Input Current	18 A	27 A
Maximum Short-Circuit Current	52 A	65 A
No. of MPP Trackers	1	1
String per MPP Tracker	1	1

Model	3600 kW LGT	5600 kW LGT
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	170 V
Input Voltage Range	170 V ~ 280 V (± 7 V) - UPS Mode 90 V ~ 280 V (± 7 V) - Home Appliances Mode	
Input Frequency Range	40 Hz ~ 65 (± 1 Hz)	
Maximum AC Input Current	40 A	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	230 V (± 5 %)	
Output Frequency	45 Hz ~ 54 Hz or 56 Hz ~ 64 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	42 V ~ 62 V	42 V ~ 62 V
Maximum PV / AC Charge Current	100 A, default 30 A	120 A, default 30 A
Battery Output		
Nominal Output Voltage	230 V (± 5 V)	
Nominal Output Frequency	50 Hz or 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	12 A	24.3 A
Maximum Discharge Current	95 A	148 A
Transfer Times (AC to Battery)	10 ms	
Transfer Times in Parellel Operation	≤ 50 ms	
Protection		
DC Reverse Connection	Yes	
AC Surge Protection	Yes	
AC Overcurrent Protection	Yes	
AC Overvoltage Protection	Yes	
Environment and Logistics		
Maximum Operation Altitude	Up to 2000 m	
Ingress Protection Degree	IP21	
Operating Temperature Range	0°C ~ 55°C	
Relative Humidity	5 % ~ 95 % RH (nicht kondensierend)	
Cooling	Aktive Kühlung	
Noise Emission	< 50 dB	
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.