

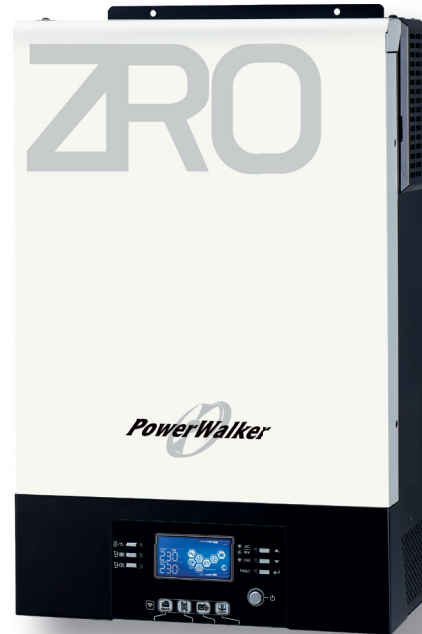
Residential **Off Grid** Solar Inverters

Solar Inverter ZRO

PowerGlo[®]

Energy Management System
kompatibel

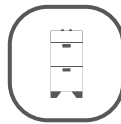
Web-Interface und Smartphone App



Zero Transfer
Times



Can work
without Battery



Low-Voltage ESS
Compatible



Wi-Fi Built-in
Ready!



USB-Type B
Monitoring

Model	5000 kW ZRO
Rated Output Power	5 000 W
Parallel Operation	Bis zu 9 Einheiten
Compatible Battery Type	LiFe Battery System 48-100 / Bleiakku
Min. Requirements of the LiFe Battery System	1x LiFe Battery 48-100 Module
Efficiency	
Maximum Efficiency (PV to AC)	97.47 %
DC Input (PV)	
Maximum PV Power	6 000 Wp
Maximum PV Voltage	500 V
Start-Up Voltage	150 V
PV Input Voltage Range	120 V ~ 450 V
MPPT Voltage Range	310 V ~ 410 V
Maximum Input Current	27 A
Maximum Short-Circuit Current	65 A
No. of MPP Trackers	1
String per MPP Tracker	1

Model	5000 kW ZRO
AC Input	
Maximum Efficiency (PV to AC)	5 000 W
Maximum Input Apparent Power	5 000 VA
AC Start-Up Voltage	176 V
Input Voltage Range	110 V ~ 280 V (± 7 V) - Line Mode 176 V ~ 280 V (± 7 V) - ECO Mode
Input Frequency Range	40 Hz ~ 65 Hz (± 1Hz)
Maximum AC Input Current	27 A
AC Output	
No. of Phases	Single Phase (> 3 Units to operate as a Three Phase)
Nominal AC Output Power	5 000 W
Maximum Output Apparent Power (PF=1)	5 000 VA
Rated Voltage	230 V (± 5 %)
Output Frequency	50 Hz or 60 Hz
Output Frequency Range	46 Hz ~ 54 Hz or 56 Hz ~ 64 Hz
Maximum AC Output Current	22 A
Power Factor / Range	1
Battery Input	
Maximum Charge Power	5 300 W
Nominal DC Voltage	48 V
Battery Voltage Range	40 V ~ 66 V
Maximum PV / AC Charge Current	100 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	5 000 W
Maximum Discharge Power	5 000 W
Nominal Output Current	24 A
Maximum Discharge Current	128 A
Transfer Times (AC to Battery)	0 ms
Transfer Times in Parallel 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	-10°C ~ 50°C
Relative Humidity	5 % ~ 95 % RH (No Condensing)
Cooling	Active Cooling
Noise Emission	< 50 dB
Dimensions (D x W x H) in mm	140 x 295 x 468
Weight	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.