

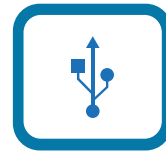
Residential Off Grid Sol. Inverters

Sol. Inverter ZRO

**PowerGlo**

Energy Management System  
Compatible

Web-Interface  
and Smartphone App



USB-Type B  
Monitoring



Wi-Fi Built-in  
Ready!



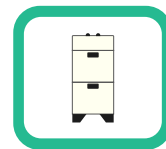
Zero Transfer  
Times



Detachable  
LCD



Can work  
without Battery



Low-Voltage ESS  
Compatible

Model	Sol. Inverter ZRO 5k
Rated Output Power	5 000 W
Parallel Operation	Up to 9 Units
Compatible Battery Type	Lithium-ion / Lead-acid
<b>Efficiency</b>	
Maximum Efficiency (PV to AC)	97.47 %
<b>DC Input (PV)</b>	
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	Sol. Inverter ZRO 5k
<b>AC Input</b>	
Maximum Efficiency (PV to AC)	5 000 W
Maximum Input Apparent Power	5 000 VA
AC Start-Up Voltage	
Input Voltage Range	110 V ~ 280 V ( $\pm 7$ V) - <b>Line Mode</b> 176 V ~ 280 V ( $\pm 7$ V) - <b>ECO Mode</b>
Input Frequency Range	46 Hz ~ 54 Hz or 56 Hz ~ 64 Hz (Auto-sensing)
Maximum AC Input Current	27 A
<b>AC Output</b>	
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 ( $\pm 5$ %)
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	> 0.98
<b>Battery Input</b>	
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
<b>Battery Output</b>	
Nominal Output Voltage	230 V ( $\pm 5$ 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	$\leq 50$ ms
<b>Protection</b>	
Insulation Detection	Yes
DC Reverse Connection	Yes
AC Surge Protection	Yes
AC Overcurrent Protection	Yes
AC Overvoltage Protection	Yes
<b>Environment and Logistics</b>	
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