LUMO SOLAR POWER

POWERALL SERIES

Product Features

ROBUST
- 2 Times Rated Power Surge - Supply Diverse Appliances.
- Dependable Power Backup.
- 10 ms Changeover.

POWERFUL
- Fast Charger - Full in 1h.
- 1280WH LifePo4 Battery - 95% Usable Energy.
- 6000 Full Cycles - Long-lasting Reliability.

SMARTER
- Monitor and Manage With Ease.
- Clear, User-friendly Interface.

FLEXIBLE
- Supports Wall or Floor Mounting.
- Only 40db Noise, With a Quieter User Experience.

Contact: Service@Lumoenergy.co.za Website: www.Lumoenergy.co.za

Product Parameter

Model	POWERALL 1	POWERALL 1.5
INVERTER OUTPUT		
Rated Output Power	1000W	1500W
Bypass Overload Power	2300W	2300W
Max. Peak Power	2000VA, 1S	3000VA, 1S
Rated Output Voltage	230Vac	230Vac
Waveform	Pure Sine Wave	Pure Sine Wave
Power Factor	1	1
Frequency	50/60 Hz	50/60 Hz
Seamless Changeover	<10ms (typical)	<10ms (typical)
THD	3%	3%
BATTERY		
Battery Type	LiFePO4	LiFePO4
Battery DoD	95%	95%
Battery Capacity	100AH,1.28kWh	100AH, 1.28kWh
Battery Rated Voltage	12.8V	12.8V
Battery Working Voltage Range	11.2~14.4V	11.2~14.4V
Standard Charge Current	50A	50A
Maximum Charge Current	100A	100A
Cycling Lifespan	6000	6000
PV Input		
Solar Charge Type	MPPT	MPPT
Max. Output Power	700W	900W
Max. MPPT Charging Current	50A	50A
Max. Voltage of Open Circuit	70V	70V
MPPT Voltage Range	15~60Vdc	15~80Vdc
MPPT Tracking Efficiency	99.9%	99.9%
Max. PV Input Current	20A	25A
Isc (Short Circuit Current)	24A	30A
AC Input		
Max. AC Charge Power	750W	750W
Max. AC Charging Current	60A	60A
Rated Input Voltage	220/230Vdc	220/230Vdc
Input Voltage Rangenge	90~280Vac	90~280Vac
Bypass Overload Current	10A	10A
Input Frequency	50/60 Hz	50/60 Hz
GENERAL		
Communication	USB	USB
Protection Degree	IP20, Indoor Only	IP20, Indoor Only
Charging Temperature Range	0°C~45°C	0°C~45°C
Noise	<40dB	<40dB
Storage Time/Temperature	6, 3, 1 months @25°C, 35°C, 45°C	6, 3, 1 months @25°C, 35°C, 45°C
Dimensions (W*H*D)	340 x 270 x 263 mm	340 x 270 x 263 mm
Weight	19.4KG	19.4KG
Cooling Method	Forced Air Cooling	Forced Air Cooling
USB FAST CHARGE		
USB	18W+18W	18W+18W
Type-C	24W+24W	24W+24W
CERTIFICATION		
Safety	MSDS,UN38.3.IEC61000-6:2019	MSDS,UN38.3.IEC61000-6:2019
RoHS	Yes	Yes