PowerGoo

AlpSolarr
A LIGOO BRAND



PowerGoo 1000

Portable Power Station

Ultra-Portable Design

Featuring a convenient carry handle, it's easy to grab and go with one hand. Perfect for both outdoor adventures and home backup power, giving you reliable energy wherever you need it — without being tied to a wall outlet.

All-in-One Power Solution

Equipped with multiple output options including AC outlets and USB ports, it can power laptops, lighting, and other everyday essentials at the same time — delivering dependable power for the whole family from a single unit.

Safe & Long-Lasting Battery Technology

Powered by premium LiFePO4 (LFP) battery cells with over 8,000 life cycles for exceptional durability and thermal stability. Combined with advanced BMS protection, it offers safer and more reliable performance you can trust.



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PowerGoo Product Specifications

Model	PowerGoo 1000
Battery Data	
Battery Type	$LiFePO_4$
Cell Capacity(Ah)	314
Nominal Energy(Wh)	1004.8
Rated Battery Voltage (Vdc)	3.2
Battery Voltage Range (Vdc)	2.5-3.65
Max. Charge/Discharge Current (A)	180
PV Input	
Max. MPPT Input Power (W)	500
Max. Input Voltage (Vdc)	60
Rated Input Voltage (Vdc)	42
Start-Up Voltage (Vdc)	12
MPPT Voltage Range (Vdc)	12~60
No. Of MPPT/ Strings Per MPPT	1
Max Input Current Per MPPT (A)	18
Grid Input	
Rated Grid Voltage (Vac)	230
Voltage Input Range (Vac)	90~280
Rated Grid Frequency (Hz)	45-65
Max Input Current (A)	5
Total Harmonic Distortion (THDi)	≤5%
Load Parameter	
Rated Output Voltage (Vac)	230
Voltage Output Range (Vac)	220~240
Rated Output Power (W)	500
Rated Output Current (A)	2.17
Rated Output Frequency (Hz)	50/60
Overload Capability	110% long-term/120%-60±10S/150%-20±5S/ 200%-0.48±0.2S/Short circuit and overload protection
Total Harmonic Distortion (THDv)	Rated linear load ≤3%Non-linearload ≤8%
Efficiency	
MPPT Tracking Efficiency	98.0%
Protection	
Universal	Overcharge and over-discharge protection, Over-current protection, Overload protection, Short-circuit protection, High-temperature protection, Fault protection
General Parameters	
Operating Temperature (℃)	-10~+40
Dimensions [W*H*D] (mm)	276×262×137
Weight (kg)	9.5
Cooling	Intelligent cooling
Altitude (m)	≤3000
Protection Level	IP20
Warranty	2 Years
Certification Standard	
Certification Standard	UN38.3