LivoPower Off-grid Inverter

Multiple Operation Modes
Designed with strategies to schedule power charge and discharge according to PV's power out to maximize the use of solar.
For unstable grid, it will charge the battery in priority and serve the load during blackouts.

Compatible with Various Batteries
Allows connection with mainstream battery types on the market such as lead acid, gel, and lithium.
Various operation strategies are designed to fit different batteries and operational conditions.

Intelligent Monitoring
Equipped with robust communication module, which transmits rich real-time information to the cloud platform for analysis and diagnosis.
Remote access to the platform on demand via APP or web portal.

Specifications

Model	GF1-3K	GF1-5K
Rated Power	3000VA/3000W	5000VA/5000W
Input		
Voltage	230V	
Voltage Range	170-280V (For Personal Computers)/90-280V (For Home Applications)	
Frequency Range	50/60Hz (Auto Sensing)	
Max. Input Current	13A	21.7A
Output		
AC Voltage Range (Bat. mode)	230Vac ±5%	
Peak Power	6000VA	10000VA
Peak Efficiency	94%	
Transfer Time	10ms	
Waveform	Pure Sine Wave	
Battery		
Battery Type	Lead-acid/Lithium	
Battery Voltage	48V	
Floating Charge Voltage	54 (Adjustable)	
Over Voltage Protection	63 (Adjustable)	
BMS Communication	CAN	
MPPT Charger		
Charge Type	MPPT	
Max. PV Power	4000W	6000W
MPPT Range	120-450	
Max. PV Voltage	480V	
Max PV Input Current	25A	
MPPT No.	1	
Max. PV Charge Current	60A	100A
Max. AC Charge Current	60A	100A
Max. Charge/Discharge Current	60A	100A
General Data		
Humidity	5%-95% Relative Humidity (Non-condensing)	
Operation Temperature	-10~50℃	
Storage Temperature	-15~60℃	
Ingress Protection	IP21	
Communication Interface	CAN (BMS)/USB/Dry Contact/Bluetooth/WiFi (Optional)/NTC/RS485/LCD (Optional)	
Dimension (W*H*D)	330*510*130mm	
Weight	10KG	

Features

- Wide range of MPPT voltage, higher efficiency
- Compatible with various batteries
- Remote fault detection and diagnosis
- Split LCD can be installed separately from the inverter, making data review and inspection convenient.
- User-friendly cloud platform, and APP portal enables remote setting of parameters