

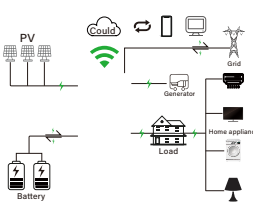
LOW FREQUENCY INVERTER

1.2KW Features

- Low no-load loss, less than half that of a high-frequency machine of the same power.
- Pure Sine Wave
- Output short circuit protection function
- MPPT Voltage 18-30VDC
- Multiple parameters can be adjusted
- High tracking efficiency MPPT solar controller
- Supports lithium battery communication

Pure sine wave | BMS Lithium Battery Activation | WiFi optional | High Efficiency | MPPT | Anti-shock design terminal | Multiple Modes | Smart battery charging design

Connection Overview



Bottom view



1. AC Input
2. AC Output
3. Power on / off switch
4. Battery Input
5. Input Breaker

TECHNICAL PARAMETER

Model	LF01K2-12ML
AC Input	
Power input	220VAC (Standard)
Input voltage range	154-264VAC±3V (Normal Mode) 185-264VAC±3V (UPS Mode)
Input frequency	50/60Hz±5%
AC Output	
Rated Capacity	1200W
AC output voltage	154-264VAC±3V (Normal Mode) 185-264VAC±3V (UPS Mode)
AC output frequency	50/60Hz±5%
Inverter output voltage	220VAC±10%
Inverter output frequency	50Hz or 60Hz ±1%
Wave Form	Pure Sine Wave
Battery	
Battery Type	Lead-acid battery / Water battery / Lithium battery
Battery voltage	12VDC
Battery charging voltage	13.7VDC (Different battery charging voltages or custom voltages are optional)
Charger (PV / AC)	
Max. PV array power	800W
PV input voltage range	16V-80VDC
Max. PV Input Voltage	80VDC
Optimal Vmp working range	18V-30VDC
Max. solar charging current	60A
Max. AC charging current	40A (Default 32A)
Conversion time	≤10ms (UPS mode) / ≤20ms (INV mode)
Peak load ratio	MAX(3:1
Standby power consumption (W)	Toroidal transformer 8W
Protection function	Mains power: Input overcurrent protection without fuse. Inverter status: Overload protection, short circuit protection, undervoltage protection, battery reverse connection protection (fuse).
Interface	
Status display	Color segment display with LED display The page up/down keys to view parameters such as AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, and load current LED display shows mains power, charging status, inverter status, and fault status
Sound prompts	The buzzer emits different alarm sounds depending on the fault code, distinguished by long and short tones
General Data	
Operating temperature	-10℃~50℃
Storage temperature	-15℃~45℃
Relative temperature	10℃~90℃ (No condensation)
Noise	<45dB
product size / packing size (mm)	325×263×133mm / -
Net / Gross Weight (kg)	10kg / -