

European Version, IP20



GV SERIES

GV SERIES OFF-GRID INVERTER

- Adapts to complex grid environments, ensures long-term stable operation, and significantly reduces later maintenance costs.
- MCU+DSP dual-core architecture, dual-core collaboration, as stable as a rock;
- High conversion efficiency design, widely compatible with various types of batteries and system solutions;
- Modern industrial aesthetic appearance, compact structure, balancing practicality and visual quality.



Technical Data

Model	GV-8KC4L1EF	GV-10KC4L1EF
Inverter Output		
Rated Output Power (W)	8000	10000
Max. Peak Power (W)	15,000(1s)	
Rated Output Voltage (V)	220/230V	
Rated Frequency (Hz)	50/60Hz	
Output Waveform	Pure Sine Wave	
Switchover Time	Typical Value: 10ms, Max Value For Single Machine: 20ms	
Battery		
Battery Type	Lead-acid / Lithium Iron Phosphate Battery	
Rated Battery Voltage (V)	48	
Voltage Range (V)	40-60	
Max. PV Charging Current (A)	120	
Max. Grid/Generator Charging Current (A)	100	
Max. Hybrid Charging Current (A)	120	
PV Input		
Number of MPPT Trackers	2	
Max. Input Power (W)	12000	15000
Max. Short-circuit Current (A)	40+20	
Max. Open-circuit Voltage (V)	500	
Max. Input Current (A)	27+13.5	
MPPT Operating Voltage Range (V)	125-425	
Grid / Generator Input		
Input Voltage Range (V)	90-275	
Input Frequency Range (Hz)	50/45-55, 60/55-65	
Bypass Overload Current (A)	40	50
Efficiency		
MPPT Tracking Efficiency	99%	
Max. Battery Inverter Efficiency	93%	
General Parameters		
Dimensions (H × W × D) (mm)	472x412x130	
Weight (kg)	16	
Ingress Protection (IP) Rating	IP20	
Ambient Temperature	-10~55°C, >45°C Derating	
Noise Level @ 1m	≤45dB @ 25°C (77°F)	
Cooling Method	Intelligent Air Cooling	
Communication		
Communication Interface	Built-in: RS485/CAN; Optional: WiFi/Bluetooth	