

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
AC Output Data		
Rated AC Output Power	8000W	10000W
Max. Peak Power	15,000W(1s)	
Rated Output Voltage	220/230V	
Rated Grid Frequency	50/60Hz	
Output Waveform	Pure Sine Wave	
Transfer Time	Typical Value: 10ms,Max Value For Single Machine: 20ms	
Battery Data		
Battery Type	Lead-acid / Lithium Iron Phosphate Battery	
Rated Battery Voltage	48V	
Battery Voltage Range	40-60V	
Max. PV Charging Current	120A	
Max. Mains Power/Generator Charging Current	100A	
Max. Hybrid Charging Current	120A	
PV Input Data		
Number Of MPPT Routes	2	
Max. Input Power	4500W+4500W	
Max. Short-Circuit Current	20A+20A	
Max. Open-Circuit Voltage	500V	
Max. Input Current	13.5A+13.5A	
MPPT Voltage Range	125-425V	
Mains Power & Generator Input		
Input Voltage Range	90-275V	
Input Frequency Range	50/45-55, 60/55-65Hz	
Overload Current Bypass	40A	50A
Efficiency		
MPPT Efficiency	99%	
Max. Efficiency Of Battery Inversion	93%	
General		
Dimensions (HxWxD)	472x412x130 mm	
Weight	16kg	
Ingress Protection (IP) Rating	IP20	
Operating Temperature Range	-10~55°C, >45°C Derating	
Noise Level @ 1m	≤45dB @ 25°C (77°F)	
Type of Cooling	Intelligent Air Cooling	
Warranty	1 Year	
Communication		
Communication Port	RS485/CAN/WIFI/Bluetooth/4G (Optional)	