



50hz 60hz Hybrid Solar Inverter 5kw Hybrid System Mppt Home Energy System

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Qiyuan
- Certification: CE, IEC
- Model Number: GC5K-48BG
- Minimum Order Quantity: 10
- Price: USD/CNY, Unit
- Packaging Details: wooden case
- Delivery Time: 1-2 months
- Payment Terms: L/C, T/T
- Supply Ability: 500 set per month



Product Specification

- Product Name: MPPT Hybrid Solar Inverter
- Type: Hybrid Solar Inverter
- Application: Solar Power System Home
- Input Voltage: 200-1000V DC
- Output Power: 1~12kW
- Output Voltage: 110V/220V/230V/240V
- Output Frequency: 50Hz/60Hz
- Output Waveform: Prue Sine Wave
- Output Current: 0~75A
- Output Type: Multiple
- Efficiency: >97%
- Protection: Overload Over-heat, over Temperature And Short Circuit, Overvoltage, overcharge
- Weight: 28kg
- Warranty: 5 Years

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Product Description

Product Features

Adopt advanced technology MPPT tracking;
 Support lithium battery activation awakening function;
 Temperature, overload, over voltage, over current, short circuit protection function;
 Support two-way DC soft start function;
 Support, overload, short circuit to restart function;
 Wide voltage input, 90 ~ 280 vac input;
 Automatic disconnection with charger when fully charged;
 Compatible with lithium battery and lead acid battery;
 Inverter with lithium battery integration design, straight forward installation,
 Supports connection with generator, with parallel function;
 Anti-corrosion treatment, high protection grade;

Input (PV)			
Max. PV Input Power	4.6KW	6KW	7KW
Max. PV Input Voltage	500V		
Start Voltage	120V		
MPP Voltage Range	125V~500V		
Rated MPPT Voltage Range	360V		
Max. Input Current per MPPT	14A		
No. of MPPT/String	2/1		
Output (AC)			
Max. Output Current	13A	17.4A	21.7A
Rated Power	3kVA	4kVA	5kVA
Rated output voltage	230V, L + N + PE		
Operating Voltage Range	180V~280V		
Rated Frequency	50Hz/60Hz		
Power Factor	1		
THDi	< 3%		
Output (EPS)			
Rated Power	3kVA	4kVA	5kVA
Rated Voltage	230V		
Rated Current	13A	17.4A	21.7A
Rated Frequency	50Hz/60Hz		
Automatic Switching Time	<20ms		
Overload Capability	120%, 30S / 150%, 10S		
THDU	<2%		
Battery			
Battery Voltage Range	40-58V		
Max. Charging Voltage	58V		
Charge/Discharge Current	95A/62.2A	95A/83.3A	95A/104.2A
Battery type	Lithium		
Communication	CAN/RS485		
Efficiency			
Max. DC Efficiency	98.2%		
European Efficiency	97.2%		
MPPT Efficiency	99.9%		
Battery Charge/Discharge Efficiency	95.5%		
Communication			
Display	LCD, touch screen		
Communication	RS485/CAN/DRM, Optional: Wifi/LAN		
Standard			
Certificates	CE		
General Data			
Dimensions (W x H x D)	550 x 7515x 200 mm		
Weight	26kG		
Operation Temperature	-25℃~+60℃		
Colling Method	Forced air cooling		
Protection Level	IP65/NEMA 3R		
Noise	<35dB		
Max. Operation Altitude	5000M (derate above 2000M)		
Relative Humidity	0~95%		
Power Consumption	<3W		



