



## 7.6KW 400V Hybrid Solar Inverter Mppt Solar Panel Charge Controller Home Energy System

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Qiyuan
- Certification: CE, IEC
- Model Number: GC7K6-B400
- 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

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, reduce the difficulty of the installation,  
 WiFi function;  
 Supports connection with generator, with parallel function;  
 Anti-corrosion treatment, high protection grade;

Input (PV)				
Max. PV Input Power	10KW	11.7KW	13KW	14.82KW
Max. PV Input Voltage	550V			
Start Voltage	120V			
MPP Voltage Range	125V~500V			
Rated MPPT Voltage Range	360V			
Max. Input Current per MPPT	12A			
No. of MPPT/String	4/1			
Output (AC)				
Max. Output Current	33A	39.2A	43.5A	49.5A
Rated Power	7.6kVA	9kVA	10kVA	11.4kVA
Rated Voltage	230V, L + N+PE			
Operating Voltage Range	176V~270V			
Rated Frequency	50Hz/60Hz			
Power Factor	1			
THDi	< 2%			
Output (EPS)				
Rated Power	7.6kVA	9kVA	10kVA	11.4kVA
Rated Voltage	230Vac			
Rated Current	33A	39.2A	43.5A	49.5A
Rated Frequency	50Hz/60Hz			
Automatic Switching Time	<20ms			
Overload Capability	120%, 60S / 150%, 1S			
THDU	<2%			
Battery				
Battery Voltage Range	85~400V			
Charge/Discharge Current	80A/80A	62.5A/62.5A	69.5A/69.5A	79A/79A
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			
Communication	RS485/CAN/DRM, Optional: Wifi/LAN			
Standard				
Certificates	CE			
General Data				
Dimensions (W x H x D )	530 x 565 x 220 mm			
Weight	30kG			
Operation Temperature	-25℃~+60℃			
Colling Method	Forced air cooling			
Protection Level	IP65			
Noise	<35dB			
Max. Operation Altitude	5000M (derate above 2000M)			
Relative Humidity	0~95%			
Power Consumption	<3W			



