



## 7kw Mppt Rack Mount Solar Inverter IP65 Home Energy System

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Qiyuan
- Certification: CE, IEC
- Model Number: GC6K-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

### 7KW Rack Mount Hybrid Solar Inverter Mppt Solar Charge Controller Home Energy System

This Single-phase Hybrid Inverter is suitable for North America use, applicable for villa, communication base station, nomadic area, farm, residential power station, field power supply

#### 1. Advanced

- \* Maximum efficiency up to 98.2%
- \* 4 independent MPPT design, making full use of light energy in different directions.
- \* Distributed virtual power station management mode.
- \* Remote monitoring of PC and mobile phones.

#### 2. Flexible

- \* The model covers 5-10kVA, with unified appearance design.
- \* Wide battery input range, compatible with a variety of lithium batteries and lead-acid.

#### 3. Reliable

- \* Battery reverse connect protection, the charge and discharge are controlled by intelligent software to improve the battery life.
- \* Input and output lightning protection, PV arcing detection.
- \* Discharge at full power and disconnect the charger automatically when the battery is full.
- \* Off grid full power output, transient 1.5 times overload, soft start mode, with air conditioning, water pump and other loads.
- \* Insulation detection, leakage battery, ground fault detection, island protection to prevent electric shock.

#### 4. Design

- \* Elegant appearance, convenient wiring.
- \* IP21 design, natural cooling, external fan free design, low noise, improved service life.

Input (PV)	
Max. PV Input Power	7KW
Max. PV Input Voltage	550V
Start Voltage	120V
MPP Voltage Range	125V~500V
Rated MPPT Voltage Range	360V
Max. Input Current	14A
No. of MPPT/String	2/1
Output (AC)	
Max. Output Current	21.7A 26A
Rated Power	5kW 6kW
Rated Voltage	230V, L + N+PE
Operating Voltage Range	180V~280V
Rated Frequency	50Hz/60Hz
Power Factor	1
THDi	< 3%
Output (EPS)	
Rated Power	5kVA/5kW 6kVA/6kW
Rated Voltage	230Vac
Rated Current	21.7A 26A
Rated Frequency	50Hz/60Hz
Automatic Switching Time	<20ms
Overload Capability	110%, 60S / 120%, 30S / 150%, 10S
THDU	<2%
Battery	
Battery Voltage Range	40V~58V
Max. Charging voltage	58V
Charge/Discharge Current	95A/104.2A 95A/110A
Battery type	Lithium
Communication	CAN/RS485
Efficiency	
Max. DC Efficiency	97.6%
European Efficiency	97%
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 )	550 x 515 x 200 mm
Weight	25kG
Operation Temperature	-25°C~+60°C
Cooling Method	Forced air cooling
Protection Level	IP21
Noise	<50dB
Max. Operation Altitude	5000M (derate above 2000M)
Relative Humidity	0~95%

Power Consumption	<3W
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