



MPPT 3kw Hybrid Solar Inverter 200-1000v Home Solar Charge Controller

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Qiyuan
- Certification: CE, IEC
- Model Number: GC7K-48G
- 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

3KW Hybrid Solar Inverter Mppt Solar Charge Controller Home Energy System

Product Features

Adopt advanced 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 | 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 | | |



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