

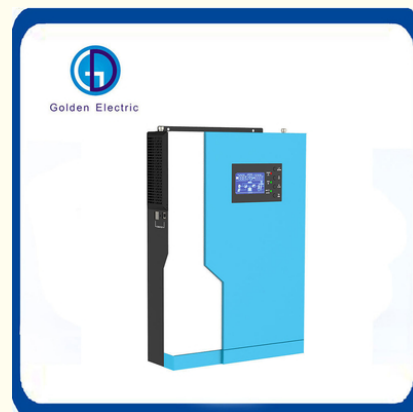


Single Output Solar Power System 3.5kw 5.5kw Hybrid Inverter with MPPT Controller

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Golden Electric /OEM
- Certification: ISO 9001, ISO 9000, ISO 14001, ISO 14000, ISO 20000, OHSAS/ OHSMS 18001, IATF16949
- Minimum Order Quantity: 1
- Packaging Details: Carton/Pallet
- Delivery Time: Peak Season Lead Time: more than 12 months Off Season Lead Time: within 15 workdays
- Payment Terms: LC, T/T, PayPal, Western Union
- Supply Ability: 5000/Month

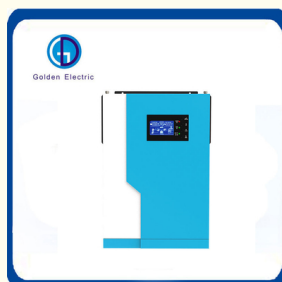


Product Specification

- Model NO.: MPS-V Plus
- Grid Type: Off-Grid Inverter
- Output Type: Single
- Circuit Topologies: Half-Bridge Type
- Nature Of Wave String: Square Wave Inverter
- Type: DC/AC Inverters
- Battery Voltage: 24/48VDC
- Gross Weight: 11-12kg
- Model: Mps-V Plus 3.5kw/5.5kw
- Solar Charge Controller: MPPT Controller
- Product Specification: Off-Grid Solar System
- AC Input Voltage: 220VAC /230VAC
- Super Charger: AC Charger 80A ,MPPT Charger 100A
- WiFi Monitor: Available (Optional)
- Name: Solar Power Inverter



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Product Description

Product Description

The MPS-V series hybrid solar inverter adopts advanced peak power point tracking technology, which can quickly track the peak power point of the photovoltaic array in any environment with extremely high tracking efficiency and conversion efficiency. The AC-DC charging unit adopts fully digital voltage and current double closed-loop control, with extremely high response speed and stability; the DC-AC inverter unit adopts fully digital intelligent design and input and output isolated inverter technology, with extremely high Stability and impact resistance.

This product has multiple power supply modes of mains and solar energy. Users can flexibly choose the application form of energy according to their needs, ensuring the power supply guarantee rate and using clean energy at peak value. It is suitable for areas with lack of power and poor stability in the power grid, as well as diesel fuel, Gasoline generators instead of grid power supply and occasions with solar energy resources.

Product Features



MPS-V PLUS 3.5KW/5.5KW

1. Pure Sine Wave Solar Inverter
2. Support WIFI and GPRS
3. Beautiful appearance design, reasonable structure
4. Small standby loss, high inverter efficiency, energy saving and environmental protection
5. Fast dynamic response
6. Intelligent fan, efficient heat dissipation, prolong system life
7. With multiple protection functions, 360° all-round protection
8. Fully industrial-grade design, adaptable to a wider working environment
9. Built-in 100A MPPT solar charger
10. PV input voltage range (120~500VDC)
11. Smart battery charging design to optimize battery life
12. RS232 communication interface, can match GPRS, WIFI and other modules to realize remote monitoring
13. LCD display, rich user setting interface, real-time monitoring of system parameters

Protections:

Reverse polarity protection, impact protection, over temperature protection, low voltage protection, overload protection, short circuit protection, over current protection, high voltage protection.

Product Parameters

MODEL	MPS-V 3500W-PLUS	MPS-V 5500W-PLUS
Rated Power	3500VA/3500W	5500VA/5500W
INPUT		
Voltage	230VAC	
Selectable Voltage Range	170-280VAC (for personal computers) 90-280VAC (for home appliances)	
Frequency Range	50Hz/60Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC±5%	
Surge power	7000VA	11000VA
Efficiency (Peak) PV to INV	97%	
Efficiency (Peak) BAT to INV	94%	
Transfer Time	10ms (for personal computers) 20ms (for home appliances)	
Wave form	Pure Sine Wave	
BATTERY & AC CHARGER		
Battery Voltage	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	33VDC	63VDC
Maximum charge current	80A	80A

SOLAR CHARGER

MAX.PV Array Power	5000W	6000W
MPPT Range@ Operating Voltage	120-450VDC	
Maximum PV Array Open Circuit Voltage	500VDC	
Maximum Charging Current	100A	
Maximum Efficiency	98%	

PHYSICAL

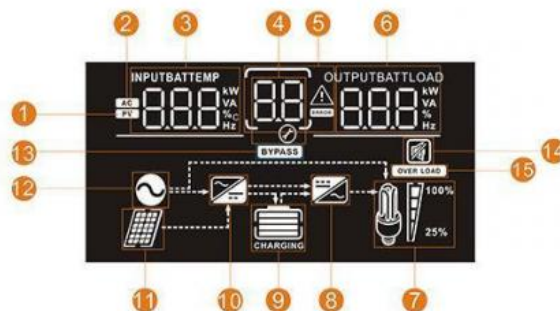
Dimension. D*W*H(mm)	440*300*100
Net Weight (kg)	11kg
Communication Interface	USB/RS232(Standard) GPRS/WIFI(Optional)

OPERATING ENVIRONMENT

Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C to 55°C
Storage Temperature	-15°C to 60°C

Product Details

LCD Display



1		PV input	9		Battery level
2		AC input	10		Utility charger circuit is working
3	INPUTBATTEMP 88.8 kW VA Hz	Input voltage,input frequency PV voltage,battery voltage, charger current	11		Unit connects to the PV panel
4	88	Setting programs	12		Unit connects to the mains
5		Flashing with warning code Lighting with fault code	13		Load is supplied by utility power
6	OUTPUTBATLOAD 88.8 kW VA Hz	Output voltage,output frequency, load percent,load in VA,load in watt and discharging current	14		Unit alarm is disabled
7		Load level	15		Overload
8		DC/AC inverter circuit is working			

Connection

■ Operation with battery connected

»» Solar Power and AC Power available



»» Solar Power and AC Power not available



■ Operation without battery connected

»» Solar Power available



»» AC Power available



Key Features

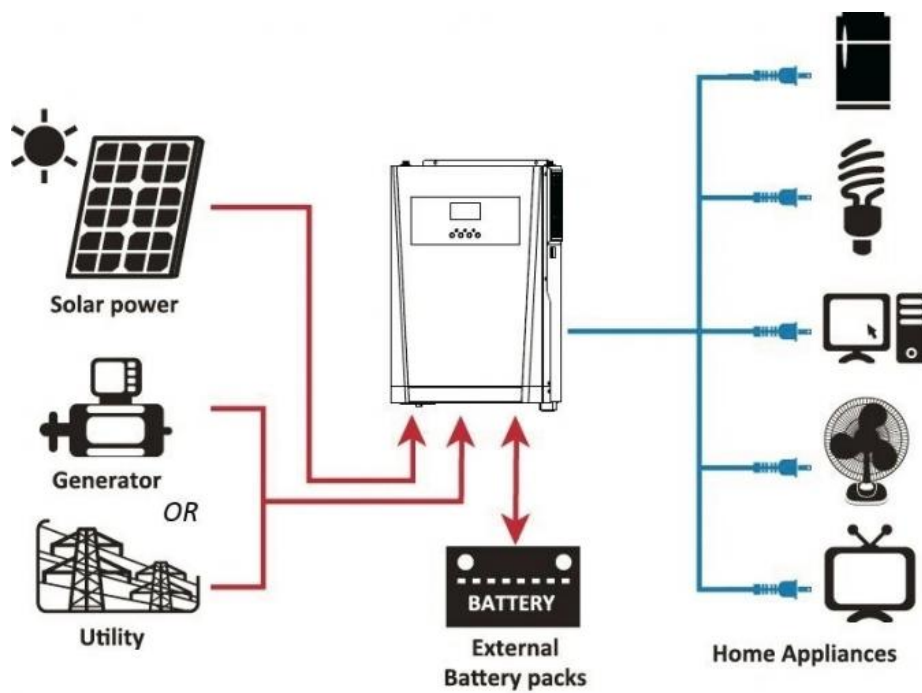
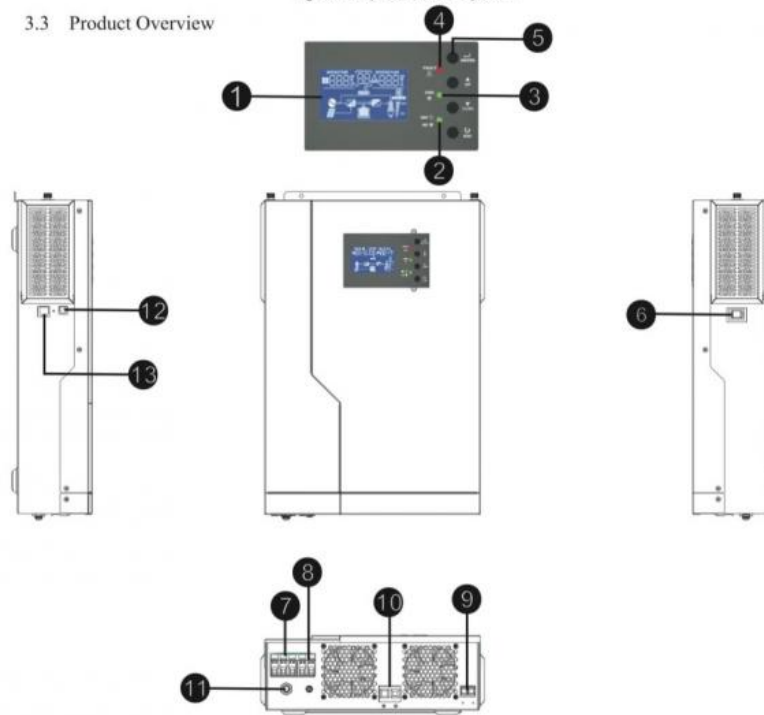


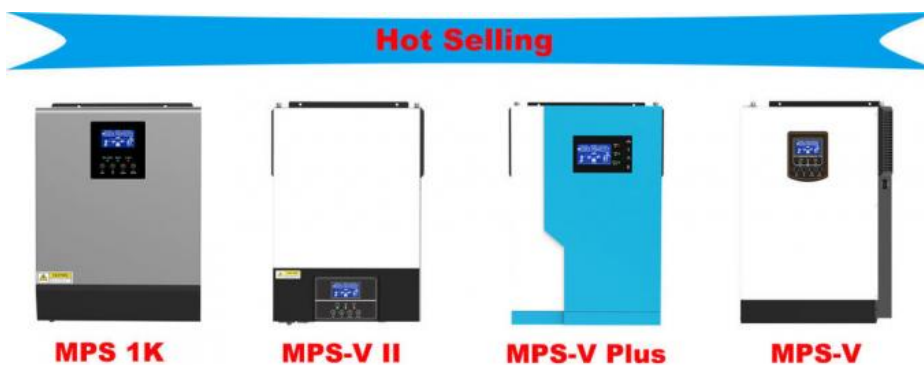
Figure 1 Hybrid Power System

3.3 Product Overview



1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
6. Power On/ Off switch
7. AC input
8. AC output
9. PV input
10. Battery input
11. Circuit breaker
12. USB communication port
13. RS-232 communication port

Recommand Product



Hot Selling



PS 1K/3K/5K



RP 1K



RP 3K(low cost)



RP 3K/8K

FAQ

1)Q:How can i trust your company?

A:Golden electric is The top 10 manufacturer in China - more than 350 Agents in local market and more than 100 foreign clients make OEM,ODM order from us,Golden electric is a big company, we have cooperation with LS, EKF the world-class companies. Our company over 100 employees, products pass CE,IEC,TUV,SAA, RCM, ROHS certificates.

2) Q:Your products?

A: Golden electric is factory for Automatic transfer switch, Surge protector device, distribution box Enclosure, inverter, DC fuse etc. Providing customers very competitive sources, and can be your sourcing agent in China. Goods are following international standards, IE, CE, ISO9001 ,SGS etc.

3) Q: Do you have forwarder?

A: Yes, we have good forwarder cooperated over 10 years, they help us import and export . For small package orders, suggest to use by Express.

4) Q: Your address ?

A: Locates in Guangzhou province, China,welcome to visit us

5) Q:What's about MOQ? Delivery time ?

A: 1pcs for inverter. Normally less than 100PCS with stock, quick support.

6) Q: What's the payment term?

A: Normally 100% T/T in advanced payment. If big order then about 50% advanced payment, balance before shipment.PAYPAL,WESTERN UNION,CASH for small order .

7) Q:What's your contact information ?

Send us your inquiry !we will reply you in 24 hours !



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