



## Black LED Display Hybrid Solar Inverter With Full Bridge Circuit Topologies

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

- Grid Type: Grid Inverter
- Output Type: Single
- Circuit Topologies: Full-Bridge Type
- Nature Of Wave String: Sine Wave Inverter
- Type: DC/AC Inverters
- Brand: Golden Electric/OEM
- Power Source: Solar Power
- PV Input Voltage(V): 30-90VDC
- Equalization Charging Voltage: 28.2VDC
- PV Current Efficient: Above 96%
- Complete Protections: DC&AC Overload, Under-Voltage, SPD, Short-Circuit,
- Display: LCD+LED
- Charging Current: 10A
- Rated Input Power: 4440W



### More Images



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## Product Description

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#### What is Solar inverter?

Solar PV inverters is an electronic system that operates the photovoltaic(PV) modules in a manner that allows the modules to produce all the power they are capable of. The solar mate charge controller is a microprocessor-based system designed to implement the MPPT. It can increase charge current up to 30% or more compared to traditional charge controllers.

This is a multi-function inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications

Solar System Low Frequency pure sine wave converter Hybrid Solar Off grid Inverter



GSIM series single-phase off-grid inverter consist of 3 functional modules: solar controller, pure sine wave inverter and insulated transformer. The controller adapts MPPT technology and intelligent battery management design which is very efficient and smart; integrated pure sine wave inverter and low frequency isolated transformer makes it with excellent overload performance, suitable for a variety of electrical appliances. It supports mains/generator input, take advantages of old diesel generators, saving initial investment and operation maintenance cost.

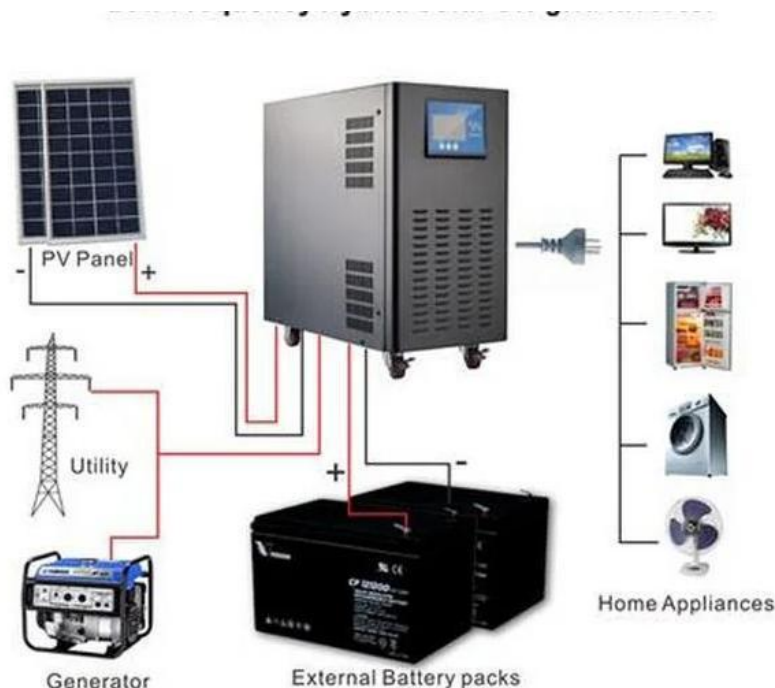
GSIM series is mainly applied in remote animal husbandry, fishery area and big family to solve people's electricity problems.

#### Features

- MPPT controller, maximize utilization of solar panels
- Integrated design with controller, inverter and transformer
- Pure sine wave output
- Output isolated transformer, safe and stable
- Mains/diesel generator input interface (optional)
- Excellent overload capacity
- Suitable for all sorts of electrical appliances
- Intelligent battery management function
- Complete protections
- LCD display + LED status indicator



#### System Application Diagram



It is used in dive automation production, involving wire drawing machine, film winding, coating machine, CNC machine tools, weaving machines, jacquard machines, fans, pumps, chemical fiber, textile, synchronous interaction, injection molding machines, lifting, elevator, machine tools, rolling mills, tube wire processing, lifting, lifting equipment, mill.



## Product Parameters

Model(GSIM)	0.5K	0.7K	1.0K	1.5K	2.0K	3.0K	4.0K	5.0K	6.0K	7.0K
Output Power	400W	600W	800W	1.2KW	1.5KW	2.5KW	3.0KW	4.0KW	5.0KW	6.0KW
Battery Voltage (Vdc)	24V			48V			96V			
Battery Configuration	200AH/12V*2			200AH/12V*4			/			
Solar charger parameters										
Charger Type	PWM/MPPT			MPPT						
Rated Input Power	900/1440W			2880W			5760W			
PV Input Voltage	30-50Vdc/30-90Vdc			70~150Vdc			150~300Vdc			
Recommended input voltage	60V			120V			240V			
Max.Input Current	50A									
Max.Output Current	50A									
Battery Float Voltage	27.2Vdc			54.5Vdc			109Vdc			
Battery Equalizing Charge Voltage	28.8Vdc			57.6Vdc			115.2Vdc			
AC charger parameters										
City Power Input Voltage Range	90~135Vac (60Hz)/175~270Vac (50Hz)									
City Power Input Frequency	50/60Hz±3%									
AC Charging Current	Standard: 10A;Max: 15A									
Inverter parameters										
Inverter Output Voltage	110Vac±3%;220Vac±3% (or other output voltage)									
Inverter Output Frequency	50Hz/60Hz±1%									
Efficiency	>80%			>85%						
Overload Capacity	105~120%,restart in 30s;120~150%,shutdown in 10s; >150%,shutdown in 5s; short circuit, <0.1ms									
Current Crest Factor	3									
Output Wave	Pure sine wave									
General parameters										
Display	LCD+LED									
Display Content	PV status, battery capacity, AC input voltage, AC output voltage, Load, running status									
Complete Protections	DC&AC overload, Under-voltage, SPD, Short-circuit, Overcharge, Over discharge, Over-temperature, etc									
Cooling	High-velocity fan cooling									
Communication	RS232									
Noise emission	<60dB(A)(1m)									
Operating Temperature range	-20°C~45°C(Derated above 45°C)									
Storage Temperature range	-15°C~70°C									
Relative humidity in operation	0~90% (non condensng)									
Max. operating altitude	5000m(>1000m derating)									

Dimension (W*D*H )Bat.In	580*560*534mm	580*560*857mm	/							
Dimension (W*D*H )Bat.Out	420*145*215mm	500*195*345mm	500*240*490mm							
Weight(Bat.In)    kg	26.5	27.5	28.5	45	46	47	/			
Weight(Bat.Out)   kg	8	9	10	11	19	22	35	40	45	54

## Other Series inverter and controller we have:



**Pure Sine Wave Inverter**

- High frequency 300W ~ 8000w
- High transform efficiency : 88%-92%
- CPU control technology



**Low Frequency Power Inverter**

- High efficiency over 90%
- 12Vac/24Vac/48Vac
- Max. charge current 70A
- Built-in pure copper transformer
- Automatic three-stage battery Charger



**MPPT solar charge controller**

- PV Array Input range 70V-145V
- 24/48VDC automatic system voltage
- MPPT technology, High tracking efficiency of 99%
- Peak Conversion efficiency of 98%
- RS485 communication

## Packaging & Shipping

### Packing:

Standard Export Packing

### Shipping:

1. By Air or by Sea for batch goods,Airport/ Port receiving;
2. Customers specifying freight forwarders or negotiable shipping methods!

### Delivery Detail:

Shipped in 7-20 days after payment.



## Company Profile

- Golden Electric Co.,Ltd ,was foundad in 2017, we are professional for make AC and DC electric items such as cable gland,cable tie ,isolator switch , fuse , breaker , distribution box , PV combiner box ,surge protector, Industrial plug and socket,Solar product and so on.



- Golden has been granted ISO9001 management system certifications. The comprehensive product line has more than 1000 models which have been approved by TUV,CE,CQC,SGS,ROHS,SASO. The products sell well to UK, Spain, Portugal, Singapore, Turkey, Russia, Korea, South Africa... more than 60 countries and regions.

- Golden is always striving hard to provide the best services and competitive price to all customers.



#### Our Advantages

1. Best ensure 100% customer satisfaction.
2. Our products have one year guarantee.
3. Sample in design and easy to operate and maintain.
4. All electrical parts of products are made up for qualified materials.
5. No MOQ limited for the trial order.
6. We adopt good credit quality electrical appliances.
7. Best customer care and efficient after-sale services.
8. Don't hesitate to inquire us, we will reply you within 12 hours.



**1. Are you trading company or manufacturer ?**

We are solar system manufacturer, Our cumulative installed capacity reached 5GW+.

**2. Can you supply samples for checking ?**

Yes, we can supply free samples for all client.

**3. How long is your delivery time?**

A1) For Sample: 1-2 Days ; A2) For small Orders: 3-5 Days; A3) For mass Orders: 7-10 Days; Anyway, It depends on order qty and payment time.

**4. Do you accept OEM business?**

We accept OEM with your authorization.

**5. How is the after-sale service?**

We offer spare parts accordingly and English-speaking engineers offer online service.

**6. What kind of certificate do you have ?**

We have CE, CB, TÜV, SAA etc.

**7. What is the service offered by company?**

We have the professional engineer team which can design and develop the mould to arrive different customer requirements. We also have the professional sales team to offer good service from pre-sale to after-sale.

**How to contact us**

**Send your Inquiry Details in the Below, please Click "[send](#)" Now!**

**Good price and sample are waiting for you.**



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