



## Customization Three Phase Solar Inverter With PWM Solar Charge 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.: E-55 SERIES
- 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): 10.5-15VDC(Single Battery Voltage)
- Max.Output Current: 50A
- Cooling: High-Velocity Fan Cooling
- Complete Protections: DC&AC Overload, Under-Voltage, SPD, Short-Circuit,
- Display: LCD+LED
- Phase: Single



### More Images



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## Product Description

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.

## HDSX Three Phase Inverter Charger /Hybrid Solar Inverter



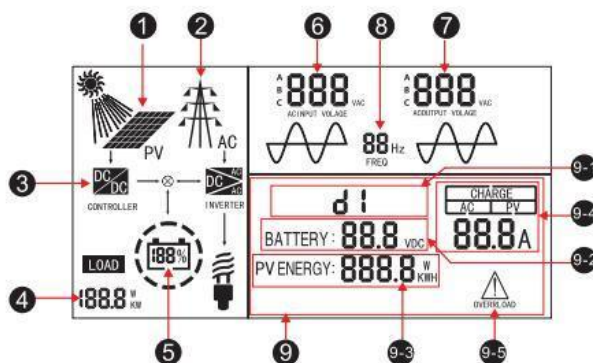
### Feature

- 1.Pure sine wave output
- 2.Low DCvoitage saving system cost
- 3.Built-in PWM or MPPT charge controller
- 4.AC charge current 0-45A adjustable;
- 5.Wide LCD screen,clearly and precisely shows icon data;
- 6.100% imbalance loading design, 3 times peak power;
- 7.Setting different working modes based on variable usage requirements;
- 8.Various communication ports and Remote monitoring RS485/APP(WIFI/GPRS)(Optional).

### Application Area

- 1.Medium IDC data exchange center machine roommedium scale network management system,billingcenterbank/securities settlement center industrial processcontrolapplicationtraffic control areas etc.
- 2.Provide stable,reliable and safe solutions for families,islands,ships and other small photovoltaic power systems

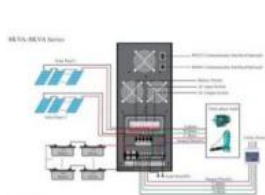
### LED Display



### System Application Diagram

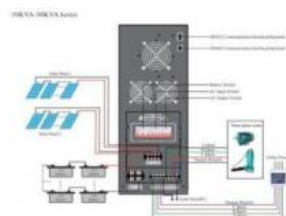


## Wiring

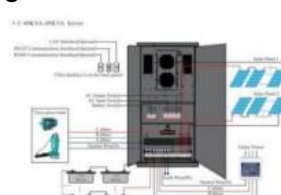


**4KVA-8KVA**

**40KVA-80KVA**

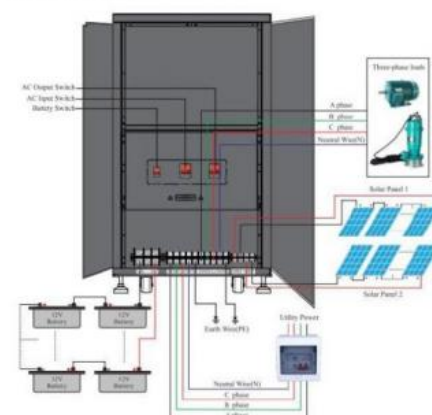
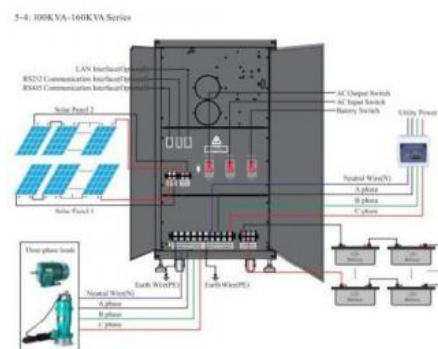


**10KVA-30KVA**



**100KVA-160KVA**

**5-5: 190KVA-200KVA Series**



**190KVA-200KVA**

## Product Parameters

Model: HDSX		4KVA	6KVA	7KVA	8KVA	10KVA	12.5KVA	15KVA	20KVA	25KVA	30KVA
Rated Power		3.2KW	4.8KW	5.6KW	6.4KW	8KW	10KW	12KW	16KW	20KW	24KW
Battery Voltage		48/96/192VDC						96/192VDC			
Built-in solar controller charging current (Optional)		PWM: 10A-60A(48V system); 50A/100A(96V system); MPPT: 10A-100A(48V system); 50A/100A(96V system)						PWM: 10A-60A(48V system); 50A/100A(96V system); MPPT: 10A-100A(48V system); 50A/100A(96V system)			
Size(L*W*Hmm)		565*300*775						725*365*1010			
Package Size(L*W*Hmm)		625*360*895						785*425*1135			
N.W(kg)		65	73	75	80	112	122	134	160	176	189
G.W(kg)(Wooden Packing)		78	86	88	93	136	146	158	184	200	213
Installation Method		Tower									
Model: HDSX		40KVA	50KVA	60KVA	80KVA	100KVA	120KVA	125KVA	150KVA	160KVA	200KVA
Rated Power		32KW	40KW	48KW	64KW	80KW	96KW	100KW	120KW	128KW	160KW
Battery Voltage		192VDC						384VDC			
Built-in solar controller charging current (Optional)		PWM: 100A-200A(192V/384 system) MPPT: 50A/100A(192V/384 system)						PWM: 100A-200A / MPPT: 50A/100A			
Size(L*W*Hmm)		720*575*1275						875*720*1380		1123*900*1605	
Package Size(L*W*Hmm)		785*640*1400						980*825*1560		1185*960*1750	
N.W(kg)		240	260	290	308	512	542	552	612	642	755
G.W(kg)(Wooden Packing)		273	293	323	341	552	582	592	652	692	805
Installation Method		Tower									
Input	DC Input Voltage Range	10.5-15VDC(Single battery voltage)									
	AC Input Voltage Range	380Vac/400Vac:10%(customized 190Vac/200Vac)									
	AC Input Frequency Range	45Hz-55Hz(50Hz) / 55Hz-65Hz(60Hz)									
	Max AC charging current	0-45A(Depending on the model)									
	AC charging method	Three-stage (constant current, constant voltage, floating charge)									
	Phase	3/N/PE									
Output	Efficiency(Battery Mode)	≥85%									
	Output Voltage(Battery Mode)	380Vac/400Vac:10%(customized 190Vac/200Vac)									
	Output Frequency(Battery Mode)	50/60Hz±1%									
	Output Wave(Battery Mode)	Pure Sine Wave									
	Efficiency(AC Mode)	≥99%									
	Output Voltage(AC Mode)	Conforming to AC input									
	Output Frequency(AC Mode)	Conforming to AC input									
	Output waveform distortion (Battery Mode)	≤3%(Linear load)									
	No load loss(Battery Mode)	≤2.5% rated power(4KVA-30KVA models); ≤1% rated power(40KVA-200KVA models)									
	No load loss(AC Mode)	≤2% rated power(charge does not work in AC mode)									
	No load loss(Energy saving Mode)	≤10W									
	Phase	3/N/PE									
Battery Type	VRLA Battery	Charge Voltage :13.8V; Float Voltage:13.7V(Single battery voltage).									
	Customize battery	Charging and discharging parameters of different types of batteries can be customized according to user requirements (charging and discharging parameters of different types of batteries can be set through the operation panel)									
Protection	Battery low voltage alarm	11V(Single battery voltage)									
	Battery low voltage protection	10.5V(Single battery voltage)									
	Battery over voltage alarm	15V(Single battery voltage)									
	Battery over voltage protection	17V(Single battery voltage)									
	Battery over voltage recovery voltage	14.5V(Single battery voltage)									
	Overload power protection	Automatic protection (battery mode), circuit breaker or insurance (AC mode)									
	Inverter output short circuit protection	Automatic protection (battery mode), circuit breaker or insurance (AC mode)									
	Temperature protection	≥90°C(Shut down output)									
Alarm	A	Normal working condition, buzzer has no alarm sound									
	B	Buzzer sounds 4 times per second when battery failure, voltage abnormality, overload protection									
	C	When the machine is turned on for the first time, the buzzer will prompt 5 when the machine is normal									
Inside Solar controller (Optional)	Charging Mode	MPPT or PWM									
	Charging current	PWM: 10A/20A/30A/40A/50A/60A(48V system); 50A/100A/150A/200A(96V/192V/384V system) MPPT: 10A/20A/30A/40A/50A/60A/80A/100A(48V system); 50A/100A/96V/192V/384V system)									
	PV Input Voltage Range	PWM: 40V-88V(48V system); 120V-176V(96V system); 240V-352V(192V system); 480V-704V(384V system) MPPT: 60V-120V(48V system); 120V-240V(96V system); 240V-360V(192V system); 480V-640V(384V system)									
	Max PV Input Voltage(Voc) (At the lowest temperature)	PWM: 100V(48V system); 200V(96V system); 400V(192V system); 750V(384V system) MPPT: 150V(48 system); 300V(96V system); 450V(192V system); 800V(384V system)									
	PV Array Maximum Power	48V System: 560W(10A)/1120W(20A)/1680W(30A)/2240W(40A)/2800W(50A)/3360W(60A) 96V System: (PWM: 5.6KW(50A)/11.2KW(100A)) / (MPPT: 5.6KW(50A)/5.6KW*2(100A)) / 192V System: (PWM: 11.2KW(50A)/22.4KW(100A)/16.8KW*2(150A)/22.4KW*2(200A)) / (MPPT: 11.2KW(50A)/11.2KW*2(100A)); 384V System: (PWM: 22.4KW(50A)/44.8KW(100A)/33.6KW*2(150A)/44.8KW*2(200A)) / (MPPT: 22.4KW(50A)/22.4KW*2(100A))									
	Standby loss	≤3W									
	Maximum conversion efficiency	≥95%									
Working Mode		Mains Priority Mode/Solar(battery) Priority Mode/Saving Energy Mode									
Transfer Time		≤4ms									
Display		LCD									
Thermal method		Cooling fan in intelligent control									
Communication(Optional)		RS232/RS485/APP(WIFI/GPRS)									
Environment	Operating temperature	-10°C~40°C									
	Storage temperature	-15°C~60°C									
	Noise	≤65dB									
	Elevation	2000m(More than derating)									
	Humidity	0%-95% (No condensation)									

## PWM Solar Charge Controller

### Feature

- 1.LCD display PV charge, battery and DC loading condition;
- 2.Protection against over charge,over discharge,over load and anti-thunder;
- 3.PWM charging mode,DC mode save cost
- 4.Multiple working modes to adapt different working occasiononly for 12V/24V/48V models
- 5.12V/24V automatic identification system working voltage



### System Application Diagram



### MPPT Solar Charge Controller

#### Feature

- 1.Advanced MPPT Tracking.99% tracking efficiency
- 2.compared with PWM,the generating efficiency increase near 20%;
- 3.LCD display PV data and chart simulates power generation process;
- 4.Wide PV input voltage range,convenient for system configuration,
- 5.Intelligent battery management function,extend battery life:
- 6.RS485 communication port optionalconvenient for user integration management
- 7.Multiple working modes to adapt different working occasion[only supported on 12V/24V/48V madels]
- 8.12V/24V/48V automatic recognition,users are more flexible and convenient to use.



### System Application Diagram





#### 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 founded 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.

### Hot Selling



**MPS 1K**



**MPS-V II**



**MPS-V Plus**



**MPS-V**

### Hot Selling



**PS 1K/3K/5K**



**RP 1K**



**RP 3K(low cost)**



**RP 3K/8K**

#### 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.

#### FAQ

**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: 1-2Days ; A2) For small Orders: 3-5Days; A3) For mass Orders: 7-10Days; Anyway, It depend 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 engineer offer online service.

**6. What kind of certificate 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.**



**Guangzhou Golden Electric Co., Ltd.**



008618998498109



eva@china-golden.com.cn



chinagoldene.com

Building 4, Self-edited Building, No. 728, Kaichuang Avenue, Yunpu Industrial Zone, Huangpu District,  
Guangzhou city,Guangdong province,China