



Aegis Es Series Grid Tie Inverter Solar Pure Sine Wave Inverter Output Voltage 220V/230V/240V

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

- Type: DC/AC Inverters
- Power Source: Solar Power
- Circuit Topologies: Full-Bridge Type
- Nature Of Wave String: Sine Wave Inverter
- Input Voltage: PV 100V-550V
- Output Frequency: 50/60Hz \pm 5Hz
- Application: Solar Power System Home
- Inverter Efficiency: 3800W/5400W
- Net Weight: 28kg
- Output Voltage: 220V/230V/240V;180-280V
- Warranty2: 5years,10years/15years(Optional)
- Environmental Protection Rating: IP65
- Transport Package: Carton
- Specification: 495x420x165mm



More Images



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Product Description

Product Description:

Aegis ES series hybrid on-grid inverters adopt all-digital intelligent control technology, featuring high reliability, complete protection functions, low waveform distortion, strong load capacity, and high cost performance. They can convert 110V DC power into 220V, 50Hz stable Voltage, stable frequency, low noise pure sine wave AC power supply.

The inverter power supply is suitable for battery energy storage in photovoltaic systems. The energy generated by the photovoltaic system is used for self-consumption, and the excess energy is charged to the battery and then input to the public grid. When the photovoltaic system does not generate energy and the battery is fully charged, the battery can connect to the grid. Power supply together; when the grid fails, the system automatically switches to the backup mode, the load can be powered by the photovoltaic system and the battery; the battery can be charged by the grid, and the photovoltaic application program can flexibly set the charging time.

Product Features:

- 1.Lithium-ion/lead-acid batteries
- 2.Operation: grid-connected (5KW) / peak charging (3.6KW) / peak backup(3.6KW)
- 3.Remote online update
- 4.USB update
- 5.WIFI/GPRS/3G/4G
- 6.Local and remote setup/monitoring applications
- 7.Fully industrial-grade design, adaptable to a wider working environment
- 8.Intelligent LED high-definition display
- 9.Fast dynamic response
- 10.Efficient heat dissipation to extend system life
- 11.With multiple protection functions, 360° all-round protection

Protections:

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

Technical Parameter:

MODEL	Aegis 3600ES	Aegis 5000ES
INPUT DATA (DC)		
Max. DC Power	3800W	5400W
Max. DC Voltage	550V	
Start voltage	110V	
DC Normal Voltage	360V	
PV Voltage Range.	100V-550V	
MPPT Voltage Range	120V-500V	
MAX. Input Current Per String of	11A/11A	
Number of independent MPPT Inputs	2	
OUTPUT DATA(DC)		
Nominal AC Output Power	3600W	5000W
MAX. AC Apparent Power	3600VA	5000VA
MAX. Output current	16.4A	22.8A

AC Nominal Voltage Range	220V/230V/240V;180-280V	
AC Grid Frequency Range	50/60Hzx5Hz	
Power Factor Rate Power	1	
Power Factor	0.9 Leading	
THDI	<0.3%	
AC Connection	Single phase	
BATTERY		
Battery Type	Li-ion or Lead-acid	
Nominal Voltage	51.2V	
Battery Capacity	≥1000AH (depending requirement)	
Energy	5.0KWH	
Max. Discharge/Charging Power	3600W	
Charging Curve	3-stage Adaptive with main tenace	
Operating Voltage Range	40V-60V	
Protection	66A/66A	
Max. Discharge/Charging Current	50A/50A	
BACKUP OUTPUT		
Max. Output Rate Power Without Solar	3600W	
Max. Output Power With Solar	5000W	
Peak Power	4500W,3s	
Output Voltage.	230V,50Hz (60Hzoptional)±0.2%.THDv<3% (Linear load)	
EFFCIENCY		
Max. Efficiency	97%	97.10%
Euro-eta	96.50%	96.50%
MPPT Efficiency	99.50%	99.50%
PROTECTION DEVICES		
DC Reverse Polarity Protection	YES	
DC Switch Rating For Each MPPT	YES	
Output Over Current Protection	YES	
Output Over Voltage Protection	YES	
Ground Fault Monitoring	YES	
Grid Monitoring	YES	
Integrated all-pole Sensitive Leakage Current	YES	
GENERAL DATA		
Dimensions (W/H/D)	495*420*165mm	
Net Weight	28kg	
Operating Temperature Range	-25+60°C(-13+140°C)with derating above 45°C(113°C)	
Noise Emission(Typical)	≤25db(A)	
Altitude	Up to 2000m(65600ft)without power derating	
Relative Humidity	95%	
Consumption:Operating(standby)/night	<5w/<5w	
Topology	No transformer	
Cooling Concept	Natural	
Environmental Protection Rating	IP65	
FEATURES		
DC Connection	H4/MC4	
AC Connection	Screw Terminal	
Display	LED	
Interface	WIFI/USB, GPRS/3G/RS485(OPTIONAL).	
Warranty	5Years,10years/15years(optional)	
Certificates and Approvals	CE,IEC62109-182,VDE0126-1-1,G83/2,AS4777&AS/NZS 3100	

HYBRID

Aegus ES Series

INVERTER

混合逆变器

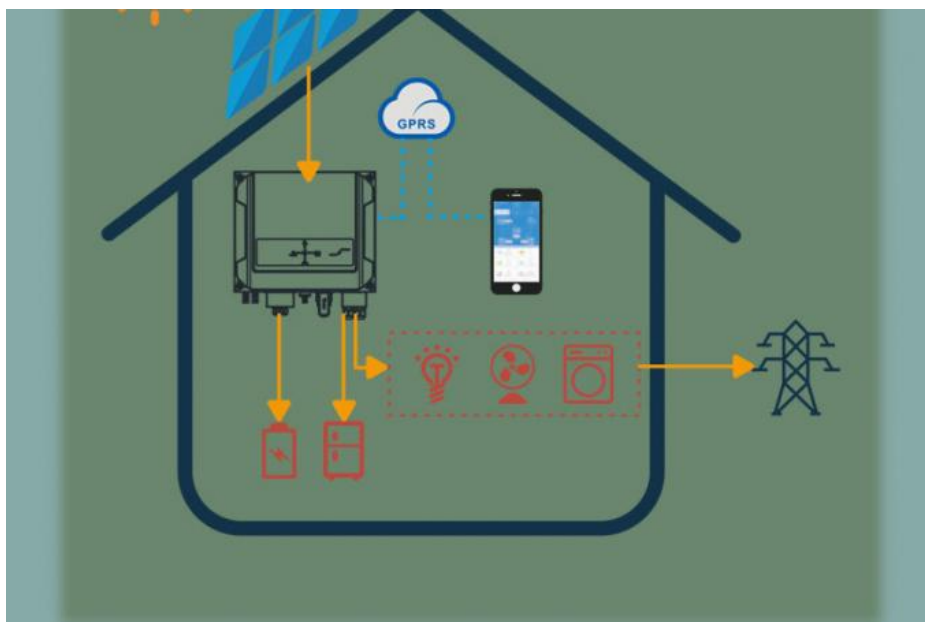




产品介绍

OPERATION MODES INTRODUCTION

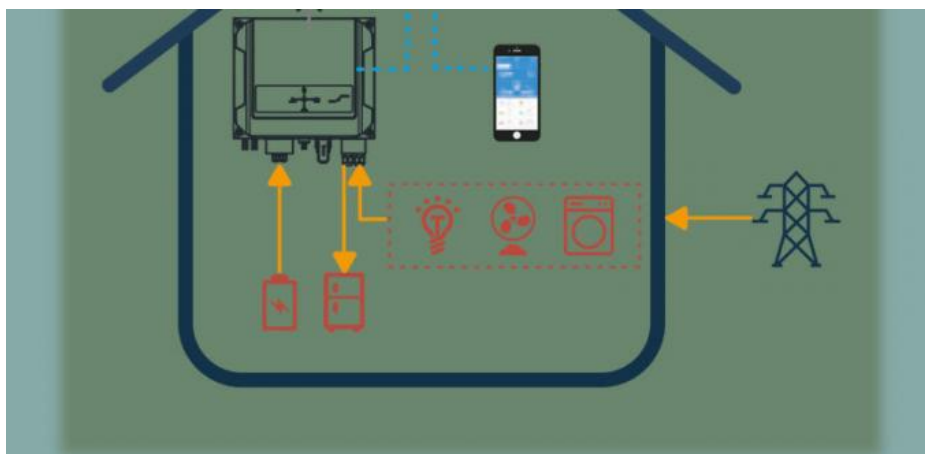




MODE 1

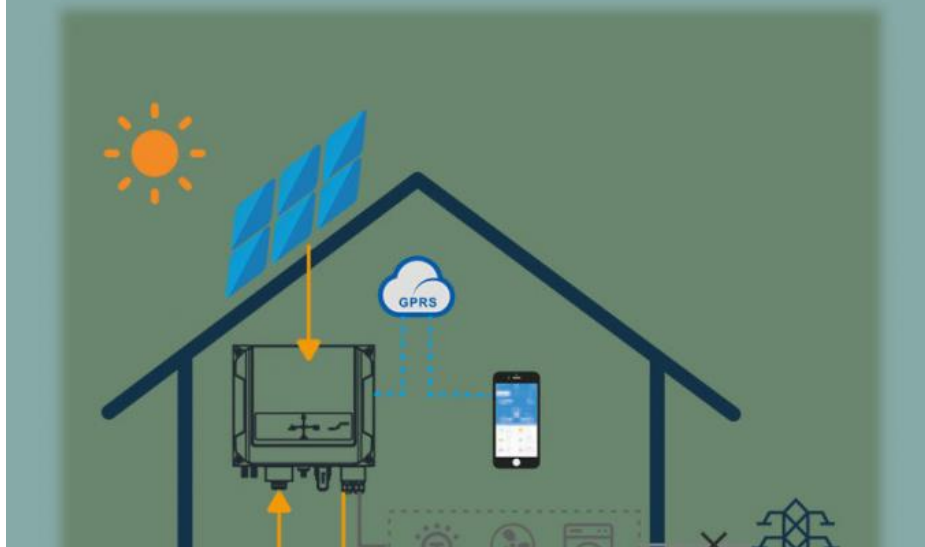
光伏系统产生的能量用于优化自耗，多余的能量用于为电池充电，然后导出到电网。





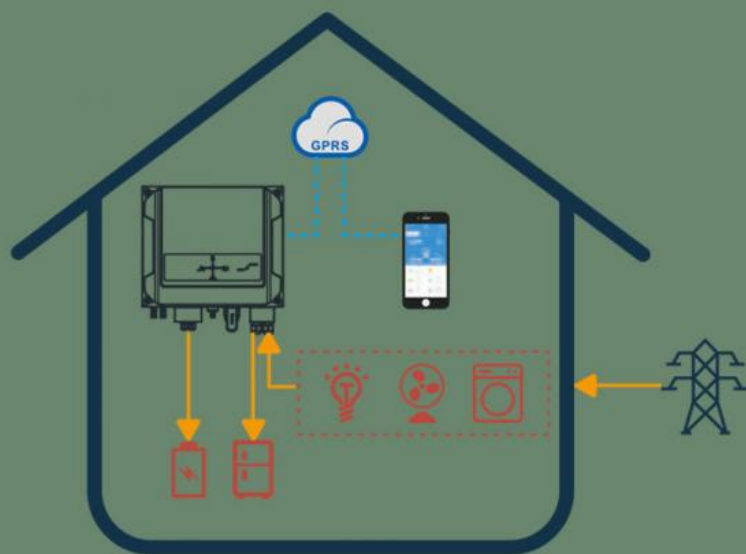
MODE 2

当没有光伏，且电池充足时，可与电网电源一起向负载供电。



MODE 3

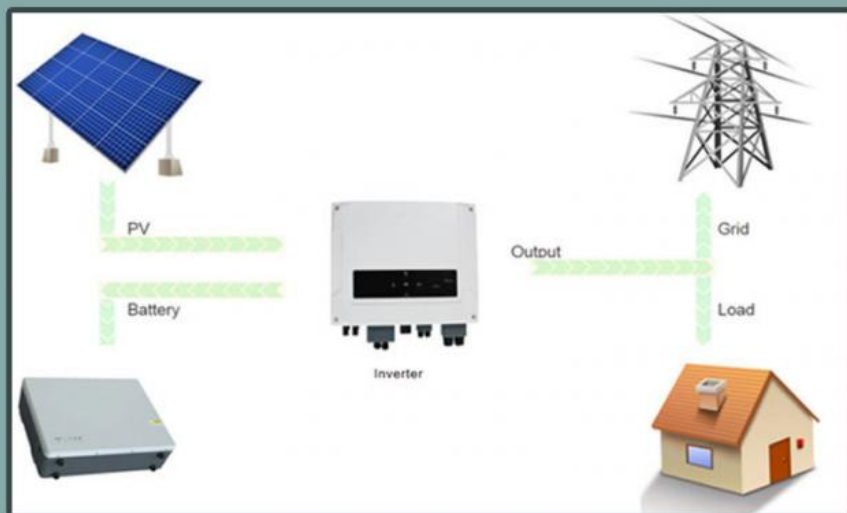
当电网发生故障时，系统会自动切换到备份模式，备用负载可由光伏和电池支持。



MODE 4

电池可通过电网充电，充电时间/功率可在PV Master APP上灵活设置。

电源问题的解决方案

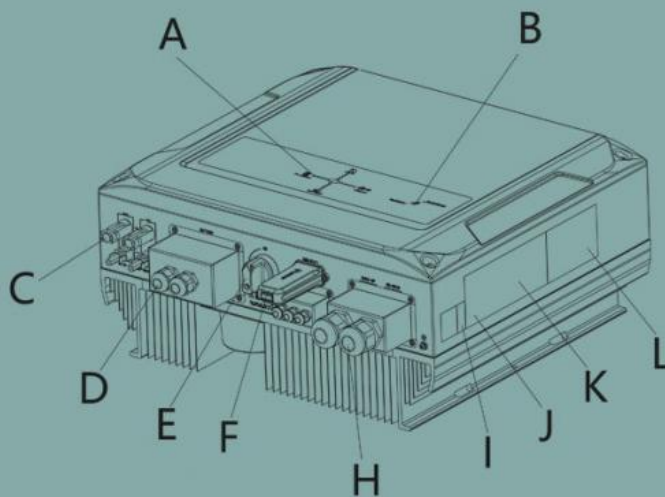


特征

- ✓ 锂离子/铅酸蓄电池
- ✓ 运行：并网 (5KW) / 最大充电 (3.6KW) / 最大后备 (3.6KW)
- ✓ 零出口功能
- ✓ 远程在线更新

- ✓ USB更新
- ✓ WIFI/GPRS/3G/4G
- ✓ 用于本地和远程设置/监控的APP





A	The Inverter Power Flow Direction Indicator
B	The Inverter Operation Status Indicator
C	PV Input Terminals
D	Battery Input Terminals And Cover
E	PV Input Switch
F	WIFI Com Module And USB Port
G	BAT._NTC and RS485 Communication (BMS Com, Load Monitor Com,)
H	AC Output Terminals And Cover
I	Inverter Serial No.
k	Spec Label
L	Warning Signals Label

You May Like:

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

FAQ:

1)Q:How can i trust your company?

A:Golden electric is The top 10 ATS manufacture 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 the automatic transfer switch(ATS) guarantee?

A: 2 years warranty. If customer's problem, then customer burden. If our problem, then we send new goods to customer to replace asap.

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

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

7) 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.

8) Q:What's your contact information ?

Send us your inquiry !we will reply you in 12 hours !



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