

5kw Three Phase Solar Hybrid Inverter 5000W Energy Storage System 220V 230V

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ENIKOL
- Model Number: HSI-5500P
- Minimum Order Quantity: 2 pieces
- Price: \$450.00/pieces 2-99 pieces
- Supply Ability: 2000 Piece/Pieces per Week



Product Specification

- Input Voltage: 220/230Vac
- Output Voltage: 230Vac
- Output Frequency: 50Hz \pm 0.3Hz/60Hz \pm 0.3Hz
- Output Type: Three Phase
- Size: 426mm*322mm*124mm
- Type: Solar Charge Inverter
- Certificate: CE/CETL/FCC/SAA
- Weight: 10.5kg
- Rated Battery Input Voltage: 48V
- Rated Input Voltage: 220/230Vac
- Rated Output Power: 5500W
- Max PV Open Circuit Voltage: 500Vdc
- Maximum PV Input Power: 6000W
- Communication Module: RS485/CAN/USB



More Images



Product Description

Support parallel Three-phase 5kw Energy Storage System 220v 230v Solar Charge 5000w Solar Hybrid Inverter

Product Description

Hybrid Solar Inverter

220V/230V,PV 500VDC



Our Product Introduction

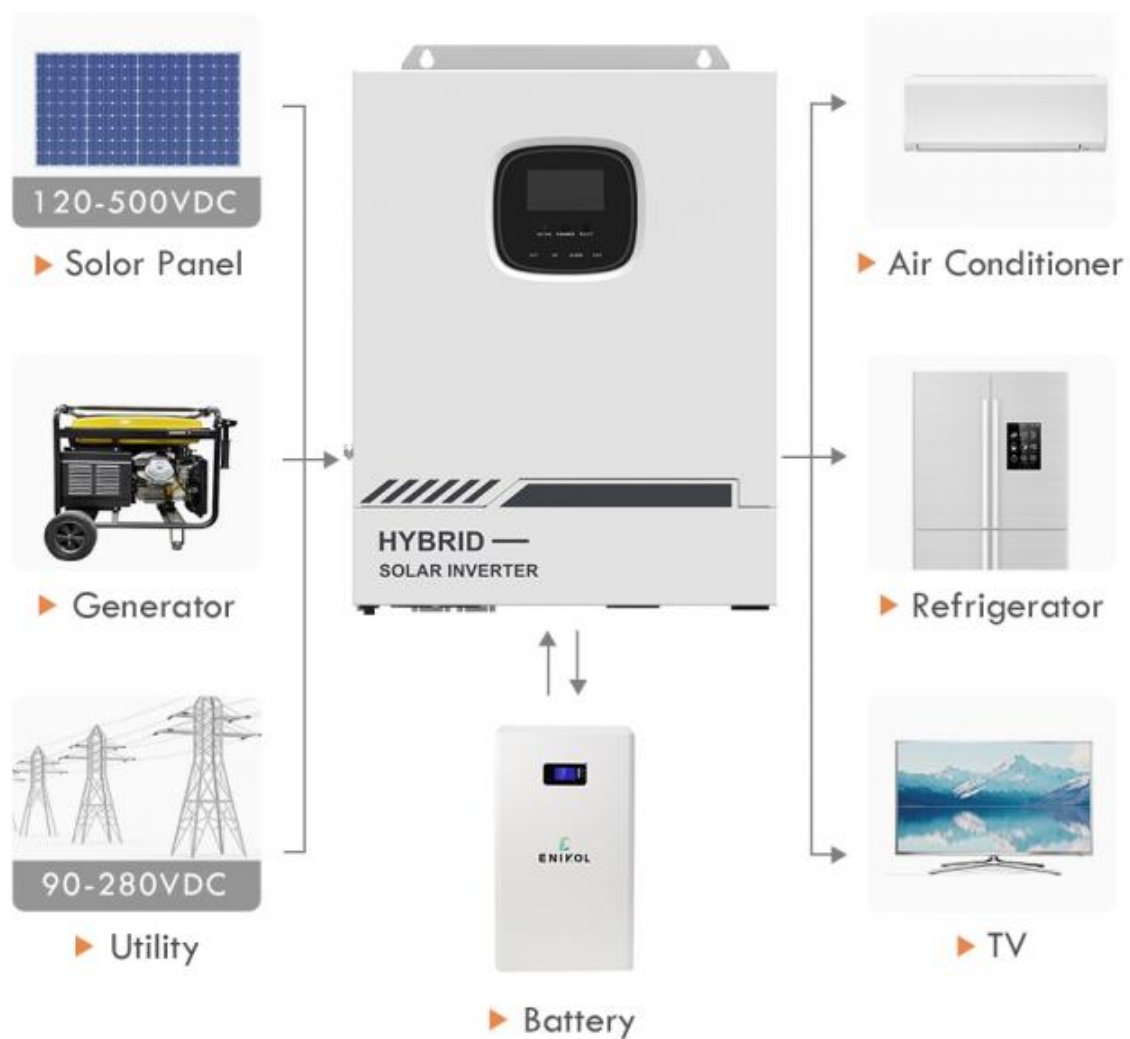
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Working principle

we offer professional solar inverter solutions

3.5KW-5.5KW





Application Scenarios

Solar power station project

ENIKOL





01

FOR Home use



02

FOR Yacht



03

FOR Base Station



04

FOR RV

Our Advantages



High energy
efficiency



Dual LFP battery
activation method



Intelligent
programming



Multiple safety
protection functions



Supports a wide range
of battery technology

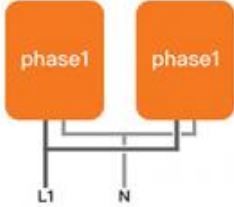
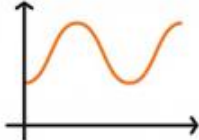
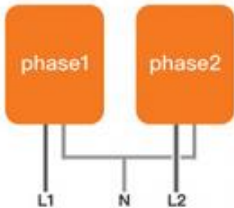
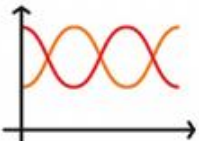
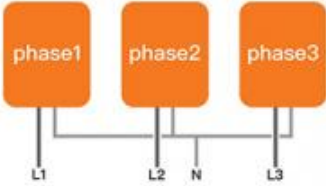
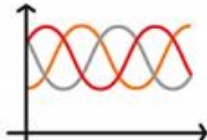
Supports up to 6 devices of the same model connected in parallel
(forming a single-phase, split-phase, three-phase electrical system)



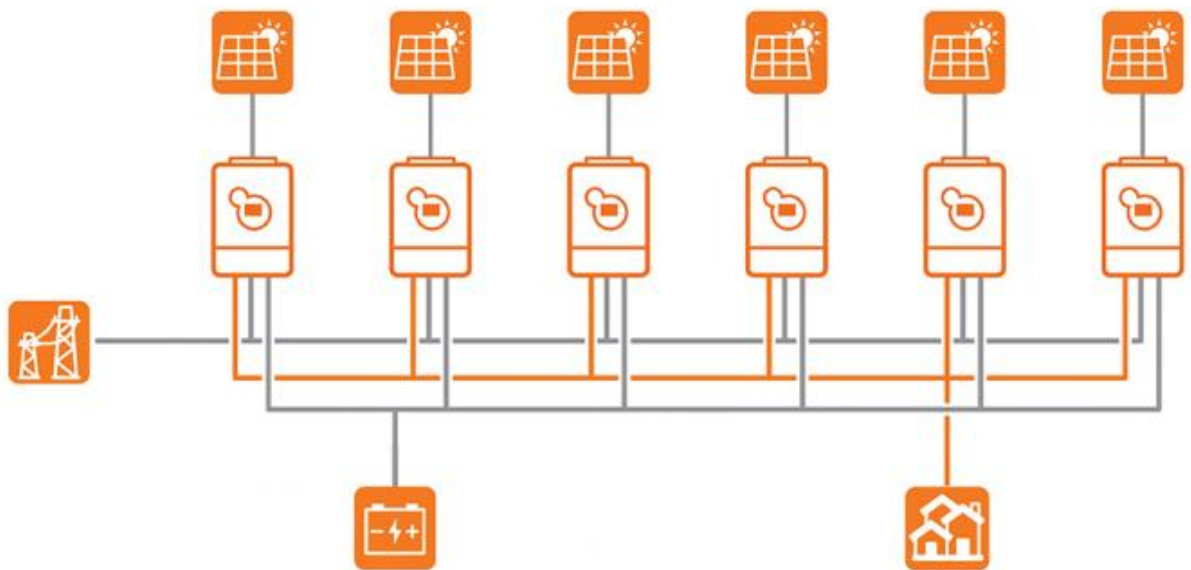
Our features

Suitable for models that support parallel use

Parallel Connection

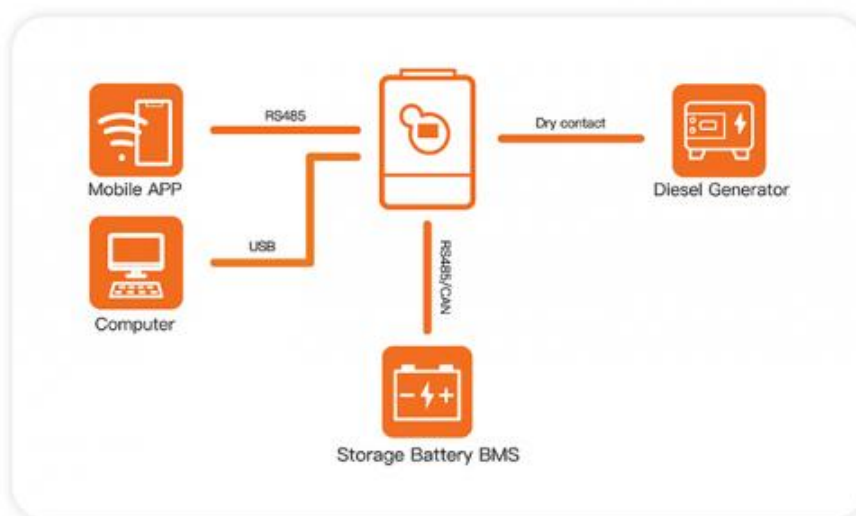
| Output plan | Output phase | Description |
|---|---|---|
|  |  Single phase output | Supports parallel connection of 1 to 6 inverters, each with the same phase output, for a single-phase output with power stacking Eg. 5kW per inverter, 3 inverters in parallel can output 15kW |
|  |  Split phase output | Supports 2 to 6 inverters connected in parallel, with L1 and L2 consisting of at least one inverter to form a split phase output |
|  |  Three phase output | Supports 3 to 6 inverters in parallel, with L1, L2 and L3 each consisting of at least one inverter to form a three-phase output |

Flexible & Stable



Supports up to 6 devices of the same model connected in parallel
(forming a single-phase, split-phase, three-phase electrical system)

Communication Function



Mobile App

The user can view the inverter's power generation curve and parameters in real time on a mobile app and also receive alerts when the inverter is faulty.

Computer

The user communicates with the inverter using specific PC host software, which enables software upgrades firmware to the inverter as well as the modification and reading of operating parameters, suitable for professional commissioning.

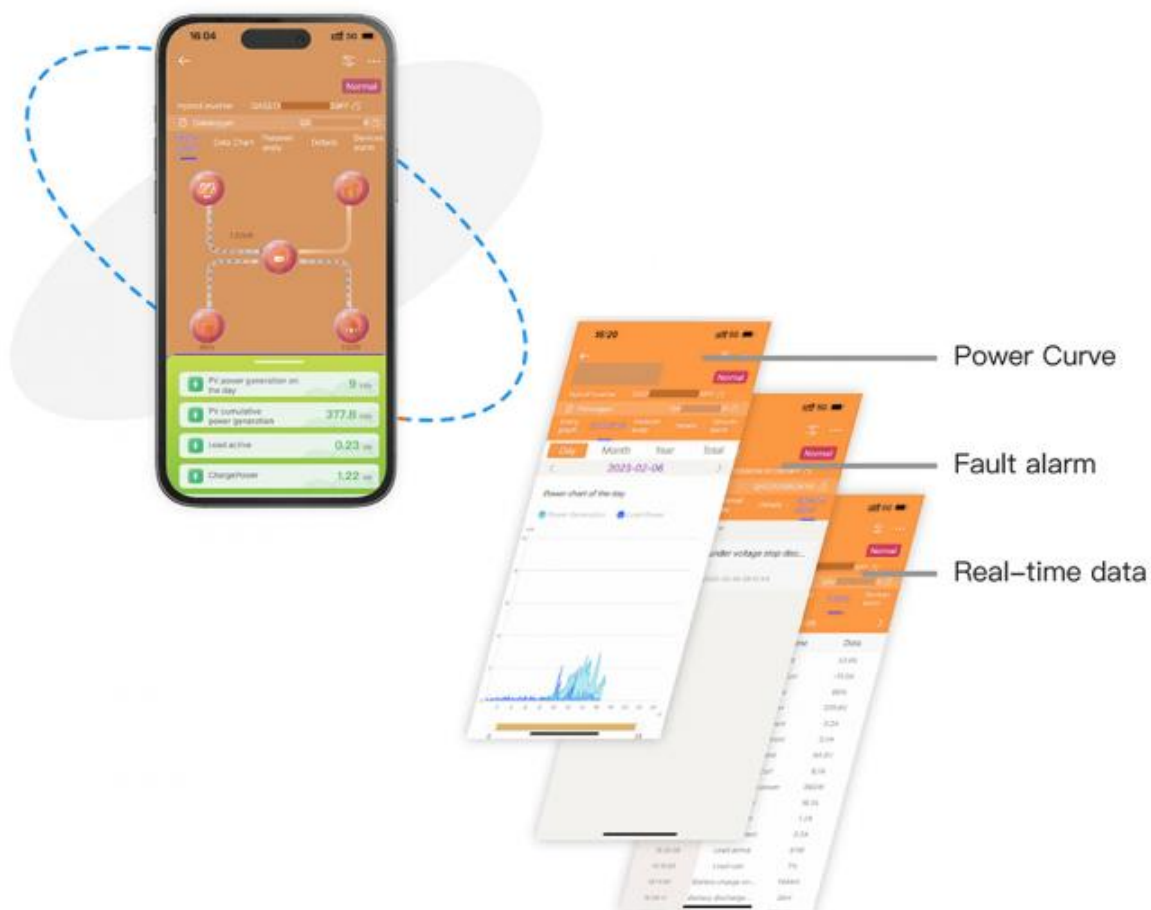
Diesel Generator

The diesel generator can be used as the AC output source for the PV system and the inverter supports **automatic start/stop control** of the generator via a dry contact port, which requires the generator to be equipped with an ATS, please read the product brochure for details

Storage Battery BMS

The inverter supports communication with the BMS (battery management system) of the storage battery via RS485 or CAN protocol (some models). After the BMS communication is completed, the inverter can collect the battery parameters to achieve more accurate and efficient control of charging and discharging, which is conducive to maintaining the life of the battery and also to ensure safety.

Mobile APP (Wi-Fi)



Connection of the specified type of external module (optional) via the dedicated data interface on the inverter, the user can view the inverter's power generation curve and parameters in real time on a mobile app and receive alerts when the inverter is faulty.

Product Details



5.5KW Parallel Model

Parameters

| | | |
|--|---|------------|
| Model | HSI 5500P | Adjustable |
| Battery Input | | |
| Battery type | Sealed, Flood, GEL, LFP, Ternary | √ |
| Rated Battery Input Voltage | 48V (Minimum Startup Voltage 44V) | |
| Hybrid Charging Maximum Charging Current | 100A | √ |
| Battery Voltage Range | 40Vdc~60Vdc ± 0.6Vdc(Undervoltage Warning/Shutdown Voltage/ Overvoltage Warning/Overvoltage Recovery..) | √ |
| Solar Input | | |
| Maximum PV Open-circuit Voltage | 500Vdc | |
| PV Working Voltage Range | 120-500Vdc | |
| MPPT Voltage Range | 120-450Vdc | |
| Maximum PV Input Current | 22A | |
| Maximum PV Input Power | 6000W | |
| Maximum PV Charging Current | 100A | √ |
| AC Input (generator/grid) | | |
| Mains Maximum Charging Current | 60A | √ |
| Rated Input Voltage | 220/230Vac | |
| Input Voltage Range | UPS Mains Mode: (170Vac~280Vac)±2% APL Generator Mode: (90Vac~280Vac)±2% | √ |
| Frequency | 50Hz/ 60Hz (Automatic Detection) | |
| Mains Charging Efficiency | >95% | |
| Switch Time (bypass and inverter) | 10ms(Typical Value) | |
| Maximum Bypass Overload Current | 40A | |
| AC Output | | |
| Output Voltage Waveform | Pure Sine Wave | |
| Rated Output Voltage (Vac) | 230Vac | √ |
| Rated Output Power (VA) | 5500 | |
| Rated Output Power(W) | 5500 | |
| Peak Power | 11000VA | |
| On-load Motor Capacity | 4HP | |
| Output Frequency Range(Hz) | 50Hz±0.3Hz/60Hz±0.3Hz | √ |
| Maximum Efficiency | >92% | |
| No-load Loss | Non Energy-saving Mode: ≤50W Energy-saving Mode: ≤25W (Manual Setup) | |
| General | | |
| Number of parallel/split phases | 1-6PCS | |
| Certificate | CE(IEC62109-1)/CETL(UL 1741 C22.2 NO.107.1)/FCC/SAA | |
| EMC Certification Level | EN61000, C2 | |
| Working Temperature Range | -10°C ~ 55°C | |
| Storage Temperature Range | -25°C ~ 60°C | |
| Humidity Range | 5% to 95%(Conformal Coating Protection) | |
| Dimensions | 426mm*322mm*124mm | |
| Weight (KG) | 10.5 | |

Specification

| | |
|------------------|-----------------------|
| item | value |
| Place of Origin | China Guangdong |
| Brand Name | ENIKOL |
| Model Number | HSI-5500P |
| Input Voltage | 220/230Vac |
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| Output Frequency | 50Hz±0.3Hz/60Hz±0.3Hz |
| Output Type | Three Phase |
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| | |
|---------------------------------|---|
| Type | Solar Charge Inverter |
| Inverter Efficiency | |
| Certificate | CE(IEC62109-1)/CETL(UL 1741 C22.2 NO.107.1)/FCC/SAA |
| Warranty | |
| Weight | 10.5kg |
| Rated Battery Input Voltage | 48V |
| Rated input voltage | 220/230Vac |
| Rated output power | 5500W |
| Max PV open circuit voltage | 500Vdc |
| Maximum PY Input Power | 6000W |
| Communication module | RS485/ CAN/ USB |
| MPPT efficiency | 99.9% |
| Output Voltage Waveform | Pure Sine Wave |
| Number of parallel/split phases | 1-6PCS |
| Storage Temperature Range | -25°C ~60°C |

Company Profile

Damien new energy technology Shenzhen Co., Ltd. is located in Guangming District, Shenzhen, Guangdong Province, China. The company has been committed to the R & D, production and sales of new energy and supporting products. The main products are, energy storage lithium battery, outdoor portable power supply, solar panels and its components, solar inverter, glow stick and so on. The products are widely used in large-scale photovoltaic energy storage projects, UPS energy storage, outdoor emergency, household energy storage, electric vehicles, security products, fire emergency equipment, various digital electronic equipment, etc. With high-quality products, good reputation and excellent services, it is sold well in Europe, North America, the Middle East, Southeast Asia, Africa and other countries. The company has more than 10 senior engineers and more than 40 professional technicians. Damien has the ability to provide customers with all-round design and manufacturing. We can customize these products according to your needs and provide them to customers all over the world. Damien new energy has won wide praise for its excellent quality in the field of lithium battery and photovoltaic energy storage. The company has always adhered to the principle of, quality first, customer first, high-quality service and abiding by the contract, to provide customers with high-quality products and high efficiency services. We will serve our customers wholeheartedly to achieve a win-win situation.

FAQ

1. who are we?

We are based in Guangdong, China, start from 2021, sell to Mid East(24.00%), Africa(20.00%), North America(18.00%), Western Europe(15.00%), South Asia(8.00%), Northern Europe(7.00%), Eastern Europe(5.00%), South America(3.00%). There are total about 51-100 people in our office.

2. how can we guarantee quality?

Always a pre-production sample before mass production;

Always final Inspection before shipment;

3. what can you buy from us?

Energy Storage Lithium Battery, Outdoor Portable Power Supply, Glow Stick, Energy Storage System, Solar Inverter

4. why should you buy from us not from other suppliers?

Damien tech an industry and trade integration enterprise, with super strong technology and production capacity, products include all kinds of power supply, the most important thing is to customize all kinds of power supply according to your needs.

5. what services can we provide?

Accepted Delivery Terms: FOB, CIF, EXW, FCA, DDP

Accepted Payment Currency: USD, EUR, AUD, CNY;

Accepted Payment Type: T/T, L/C, D/P D/A, MoneyGram, Credit Card, PayPal, Western Union, Cash;

Language Spoken: English, Chinese, Spanish, Japanese, French



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