

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

Our Product Introduction

for more products please visit us on [enikolnewenergy.com](http://enikolnewenergy.com)

### 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

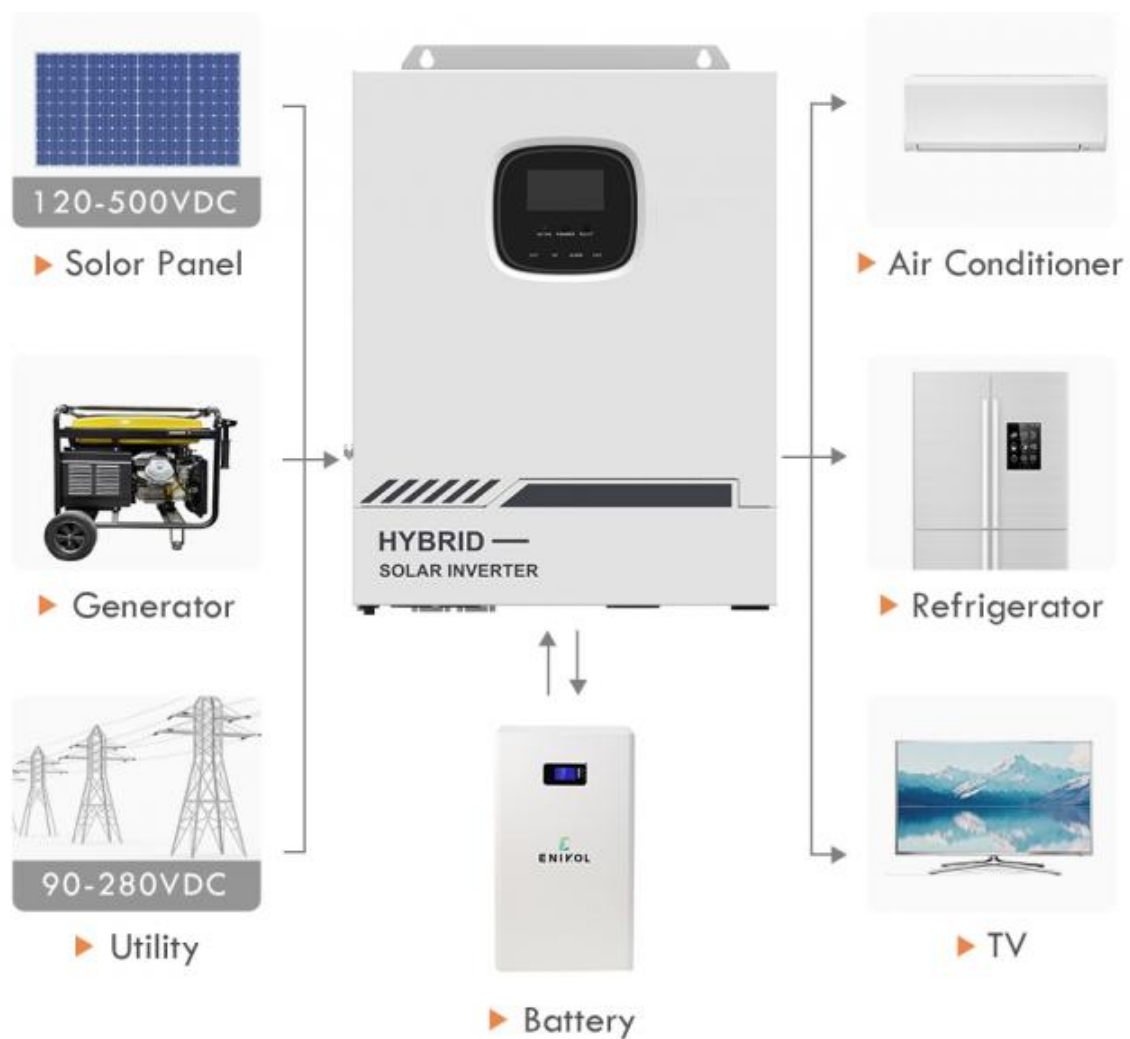
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# Working principle

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

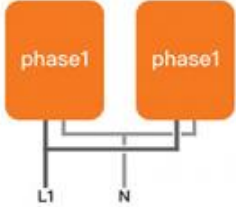
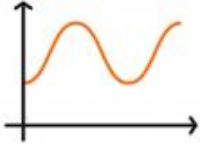
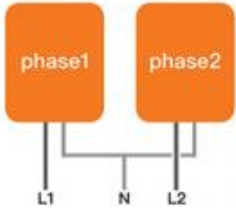
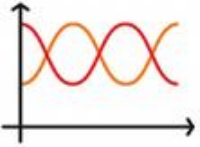
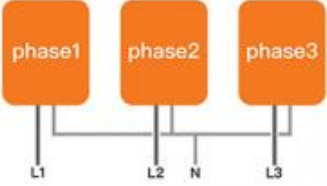
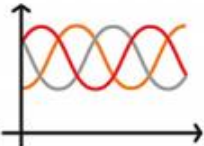
Supports up to 6 devices of the same model connected in parallel  
(forming a single-phase, split-phase, three-phase electrical system)



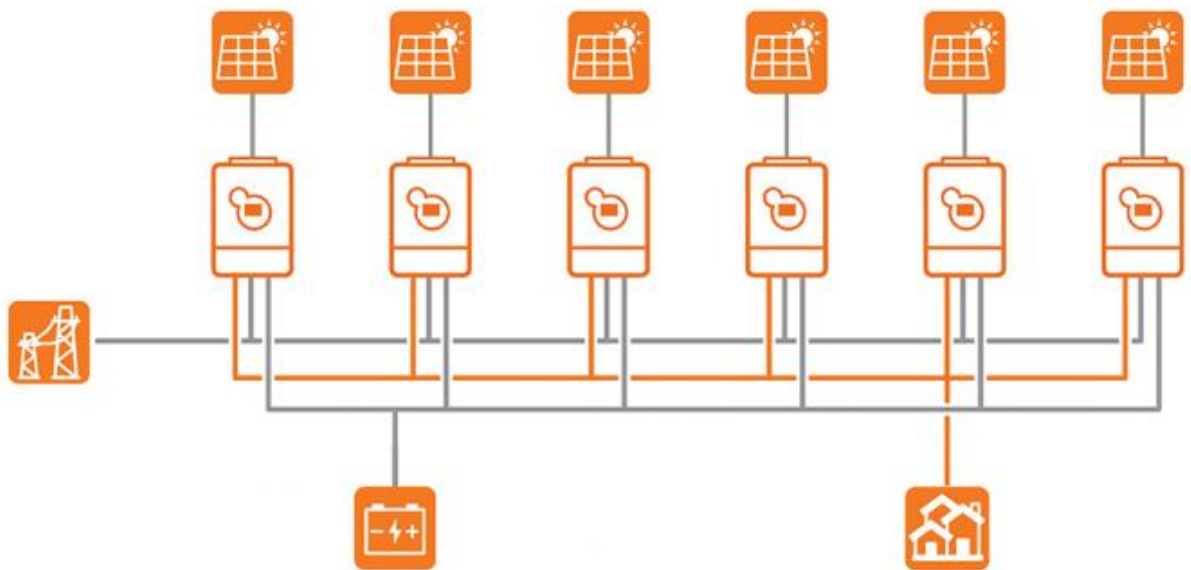
# Our features

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

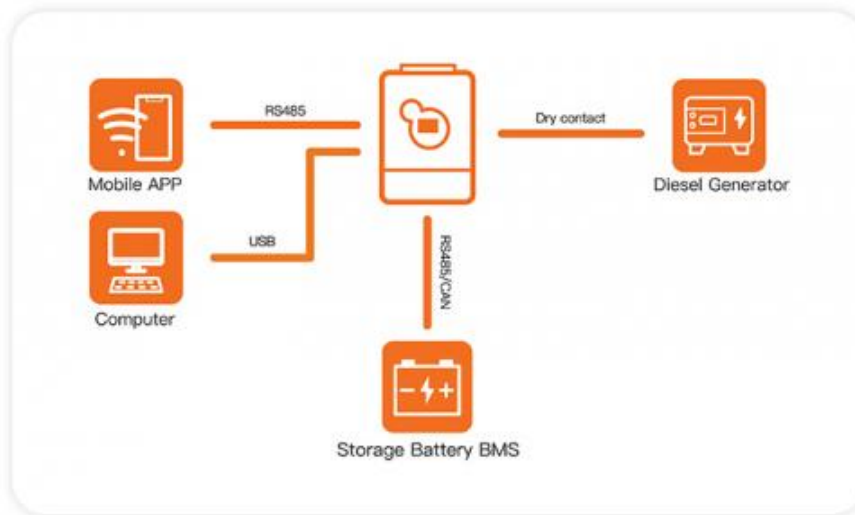
# Flexible & Stable



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.

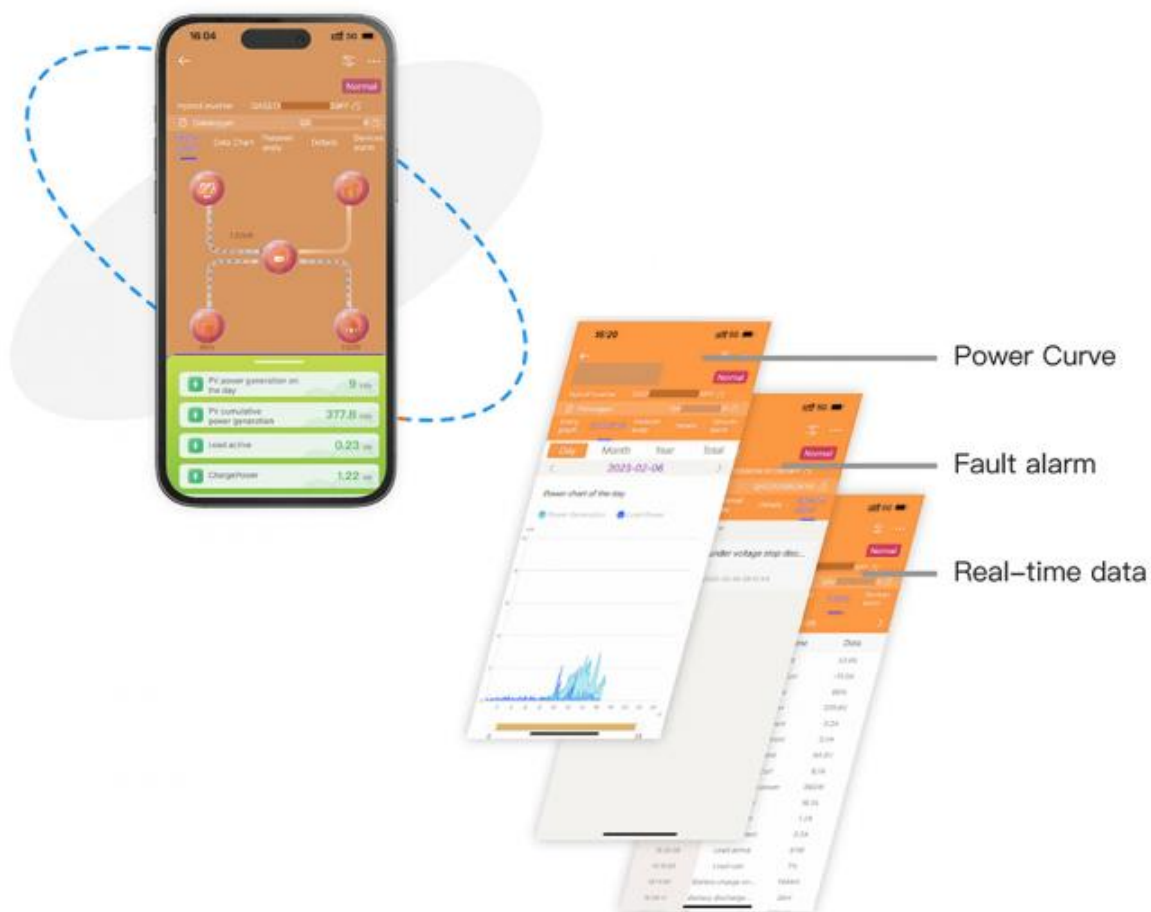
## Diesel Generator

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
<b>Battery Input</b>		
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..)	√
<b>Solar Input</b>		
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	√
<b>AC Input (generator/grid)</b>		
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	
<b>AC Output</b>		
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)	
<b>General</b>		
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
Output Voltage	230Vac
Output Frequency	50Hz±0.3Hz/60Hz±0.3Hz
Output Type	Three Phase
Size	426mm*322mm*124mm

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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