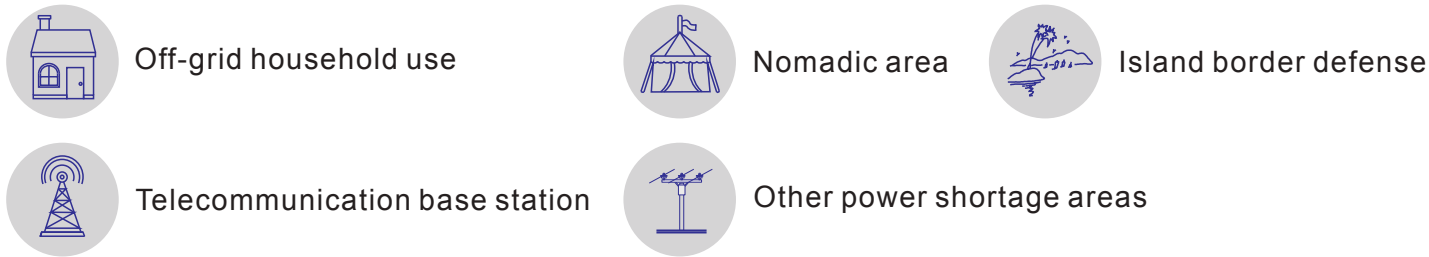




# Off-grid energy storage inverter

## The HS030~050ELS/ELSP Series

### Application scenarios



No electricity and power unstable areas, no motor and other impact load scenarios.

### Product Features

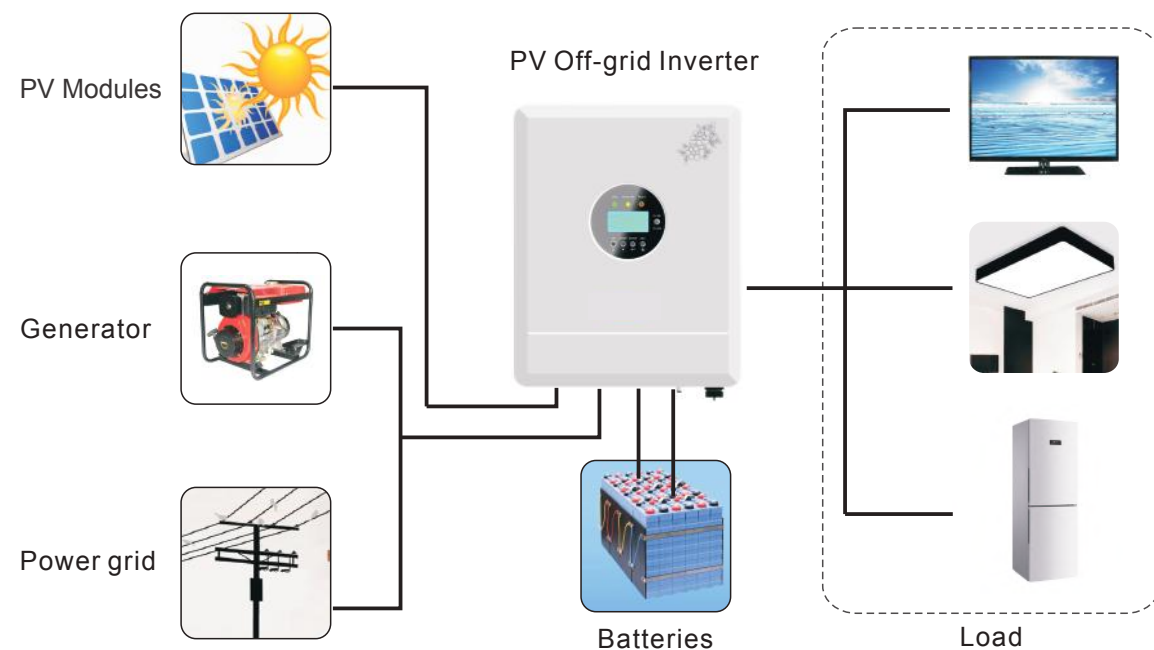
- Integrated MPPT controller, the efficiency of up to 99.9%.
- Four charging modes are optional: mains first, photovoltaic first, hybrid charging, solar energy only.
- It has two output modes: mains power bypass and inverter output, with uninterrupted power supply function.
- With short circuit, over underpressure, overload, back-irrigation and other safety protection.
- Compatible with lead-acid and lithium batteries.
- Optional WIFI or GPRS telecommunication modules.
- Maximum of 6 parallel machine support.



### Product advantages

- Easy installation: independent installation accessories, the first hanging plate fixed, and then the host can be hung up fixed.
- Strong adaptability: wide PV input voltage range, can adapt to high-power photovoltaic panels.

### Application system diagram



### Product Parameter

DATASHEET	HS030ELS	HS040ELS	HS050ELS	HS050ELSP
Battery Voltage	48VDC	48VDC	48VDC	48VDC
<b>INVERTER OUTPUT</b>				
Rated Power	3000VA/3000W	4000VA/4000W	5000VA/5000W	5000VA/5000W
Parallel Capability	N/A	N/A	N/A	Yes, 6 units
AC Voltage Regulation (Battery Mode)	230VAC±5% @ 50/60Hz			
Waveform	Pure sine wave			
Efficiency(Peak)	93%			
Rated current	13A	18A	22A	22A
Switching time	10 ms			
<b>SOLAR CHARGER</b>				
Maximum PV Array Power	3200W	4500W	4500W	4500W
MPPT Range @ Operating Voltage	60VDC~120VDC			
Maximum PV Array Open Circuit Voltage	160VDC			
Maximum Solar Charge Current	50A	80A	80A	80A
PV prevents reverse	Yes			
Stand-by power consumption	2W			
<b>AC CHARGER</b>				
Max Charging Current	30A	60A	60A	60A
AC Input Voltage	230 VAC			
Selectable Voltage Range	170~280 VAC			
Frequency Range	50Hz/60Hz(Auto sensing)			
<b>Battery Input</b>				
Voltage range	40V~60V			
Maximum charging current	80A	140 A	140 A	140 A
<b>BASIC PARAMETER</b>				
Dimensions (D/W/G)in mm	416/335/126	416/335/126	416/335/126	416/335/126
Weight (kg)	10	12	12	12
<b>OPERATING ENVIRONMENT</b>				
Humidity	5% to 95% Relative humidity(Non-condensation)			
Operation Temperature	-5°C to 55°C			
Storage Temperature	-20°C to 60°C			
Protection level	IP20			
<b>AUTHENTICATION</b>				
Standard	IEC/EN62109-1/2; IEC/EN61000-6-1/3			
Certificate	CE-LVD; CE-EMC			

■ The specifications are subject to change without prior notice.