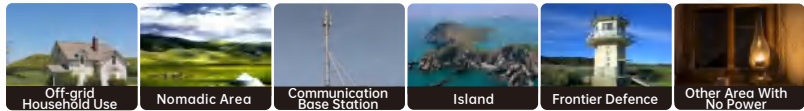


HOUSEHOLD ENERGY STORAGE SYSTEM

ON/OFF GRID HYBRID INVERTER
PV Low Vol 3kW~5kW/48V

Application Scenarios

Scenarios of no power, lack of power, power instability area, no motor and other impact load scene



Product Highlights

- It has the function of connecting to the power grid, which effectively improves the energy utilization efficiency
- It is equipped with a dimensional upgrade driving function, enabling a larger load power capacity and support for a wider variety of loads.
- It adopts an advanced inverter architecture, which can reliably suppress leakage current and ensure electrical safety.
- It can provide bypass output even without a battery, ensuring continuous power supply to critical loads.
- The Max Supports up to 10 parallel machines, and three-phase group grid.
- It is compatible with lead-acid batteries, lithium batteries, gel batteries, etc.
- It has a battery activation function.

Product Appearance



HS030ELS~HS050ELS/HS050ELSP Parameters

MODEL	HS030ELS	HS040ELS	HS050ELS	HS050ELSP
Battery Voltage	48Vdc	48Vdc	48Vdc	48Vdc
Battery Type	Lead-acid, lithium batteries, gel batteries, etc			
Output				
Rated Output Power	3000VA/3000W	4000VA/4000W	5000VA/5000W	5000VA/5000W
Parallel Function	N/A	N/A	N/A	Yes, up to 10 units
Rated Output Voltage	230Vac ±4%			
Rated Output Frequency	50/60Hz ±0.3(Adaptive)			
Output Waveform	Pure sine wave			
Efficiency(Peak)	93.8%			
Rated Current	13A	18A	22A	22A
Transfer Time	10ms(Typical value)			
PV Input				
Rated Power	3200W	4500W	4500W	4500W
MPPT Voltage Range	60~115Vdc			
Max Input Voltage	145Vdc			
Max Charging Current	60A	80A	80A	80A
PV Countercurrent Protection	Yes			
Mains/ Generator Input				
Max Charging Current	30A	60A	60A	60A
AC Input Voltage Range (UPS mode)	170~280Vac,±2%			
Frequency Range	(47-55Hz) ±0.3 / (57-65Hz) ±0.3			
Battery Input				
Voltage Range	40~60Vdc			
Max Charging Current	90A	140A	140A	140A
Default Charging Current	30A	30A	30A	30A
General Parameters				
Dimension. W*D*H(mm)	470*330*125			
Installation Method	Wall-mounted			
Weight (kg)	12	12	12	12
Communication Mode	RS485/Dry contact control , Optional WIFI/GPRS/4G			
Protection function	Over/Under Voltage Protection, Over/Under Frequency Protection, AC Output Short Circuit Protection, AC Output Overload Protection, High/Low Temp Protection			
Operating Environment				
Operating Ambient Temperature	-25℃~60℃(> 45℃ Derating)			
Storage Ambient Temperature	-20℃~60℃			
Humidity	5%~95% Non-condensation			
Altitude	4000m(> 2000m Derating)			
Protection Degree	IP20 (For indoor use only)			
Certifications				
Certification	CE 、 RoHS			
Certifications standard	IEC/EN 61000-6-1/3 、 IEC 62109-1、 IEC 62109-2、 IEC 62321			

Specifications are subject to change without advance notice.