SOLAR STORAGE INVERTER

Solar Storage Inverter for Residential

Green Energy Changes The World

www.srnesolar.com

2026

Brief Introduction

Selection Guide

Product Parameter

About SRNE

2009

SRNE Solar Co,.Ltd. established

2012

Received the supply of solar controllers for 260,000 sets of off-grid small system projects in Pakistan.

2013

- The holding subsidiary Road Smart was officially established.
- Received the supply of 110,000 sets of street lamp controllers for the solar street lamp project in Shanxi

2016

The "SRNE" brand was officially launched and was awarded the title of "Annual Publicity Brand" by CCTV.

2017

- Establish a microgrid energy storage equipment product line and engage in the research and development, production and sales of photovoltaic energy storage inverters.
- The solar street lamp controller has been awarded the title of "Famous Product of Guangdong Province".

2018

The company is the main drafter of the "Certification Specification for Household Rooftop Photovoltaic Systems" standard issued by the China Quality Certification Center

2020

Awarded the title of "Guangdong Province Intellectual Property Demonstration Enterprise".

2021

- Awarded the title of "Specialized, Refined, Unique and Innovative Small and Medium-sized Enterprise in Shenzhen"
- Establish a product line for energy storage systems
- Awarded the title of "Guangdong Provincial Engineering Research Center for Solar Energy Storage Technology"

2022

- Awarded the title of "National Intellectual Property Advantage Enterprise"
- "Shenzhen Famous Brand",
- "Top 20 Enterprises in Hangcheng Sub-district"

2023

- Awarded the title of "National Specialized, Refined, Unique and Innovative Small and Medium-sized Enterprise"
- The solar controller product line has started the research and development, production and sales of RV power distribution system products

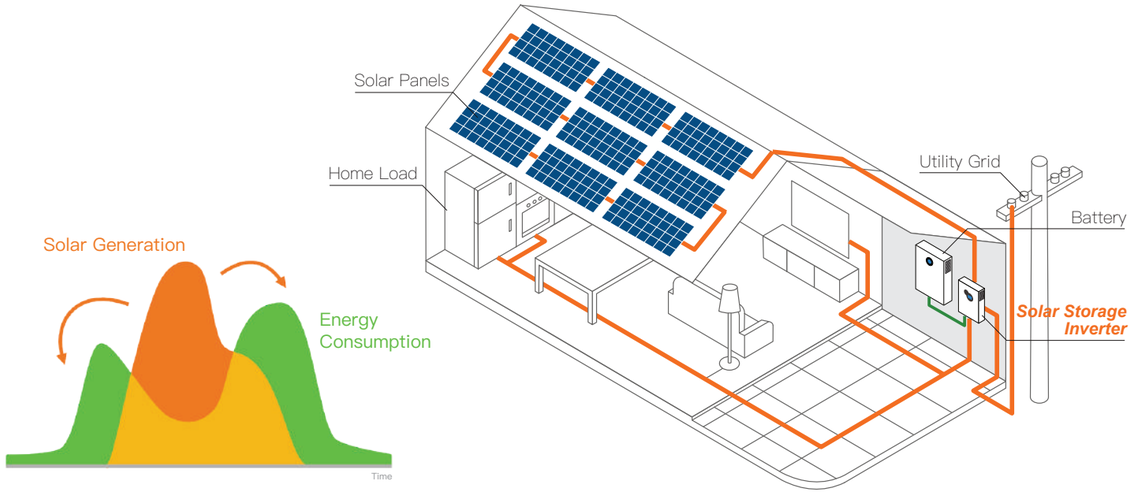
2024

- Awarded the title of "National Key Specialized, Refined, Unique and Innovative Small and Medium-sized Enterprise"
- Obtained the "QTL Accredited Laboratory Qualification" issued by SGS

2025

- It was awarded the title of "Famous Brand of the Bay Area" and consecutively won the title of "Famous Brand of Shenzhen".
- Received the "Witness Laboratory Accreditation Qualification" awarded by TÜV NORD.

Connection Diagram



Safe

Plug&Play

Uninterrupted

Scalable

Efficiency

Solar energy is volatile and does not match the daily peak of electricity consumption, so we need **Solar Energy Storage System** to regulate the energy distribution and convert solar energy into stable AC energy.

System Connection

Solar Panels

Solar modules convert light energy into DC electrical energy by means of the photovoltaic effect. And it's the energy source of entire system.

Utilty Grid (AC input)

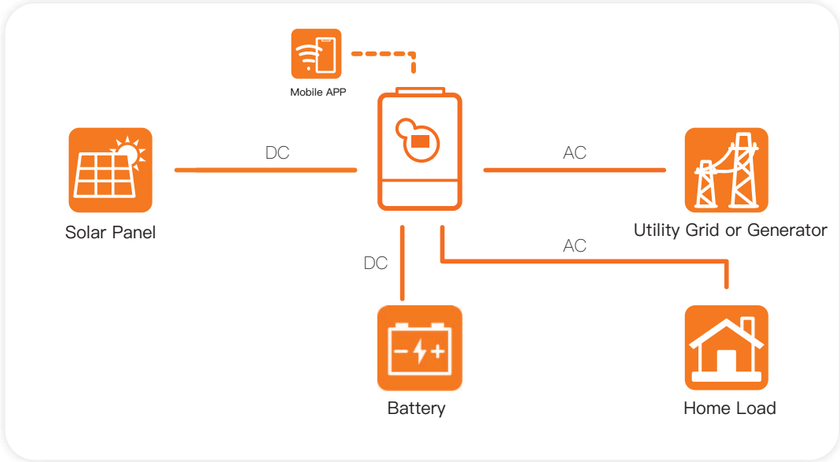
The mains electricity or generator can be used as an energy supplement to the PV system, charging the batteries or supplying the load when there is a lack of solar energy, and some models support the feeding of excess power back into the grid.

Battery

Batteries are used to store energy, for example to store photovoltaic energy generated during the day for use at night, or to provide emergency power for households in the event of a mains power failure

Home Load (AC output)

For electrical equipment throughout the home, please select the appropriate model according to the power used



Solar storage inverter

The solar charge inverter is the energy conversion control centre for the entire system.The solar charging inverter is the energy conversion control centre of the whole system. Its most basic function is to collect unstable photovoltaic electricity and convert it into stable alternating current to be supplied to home loads or to be stored in batteries

The user can set a variety of operating modes according to their needs, select the priority of energy use, maximize the use of electricity, and monitor the operating status of the equipment through the mobile phone APP

Naming Rule

Series name

This character represents the name of the product series

Letter “P” in the end of series name stands for “parallel connection”

Output voltage

This character represents the output voltage of inverter, “U” stands for US standard voltage (100~120Vac)

HESP 48 60 U 100 –H

Battery voltage

This character represents the rated voltage of battery. “48” stands for 48V. “24” stands for 24V.

Open circuit voltage

This character represents the Max. open circuit voltage of solar arrays connect with inverter. Remeber do not exceed this limit. “H” stands for 500V, “145” stands for 145V

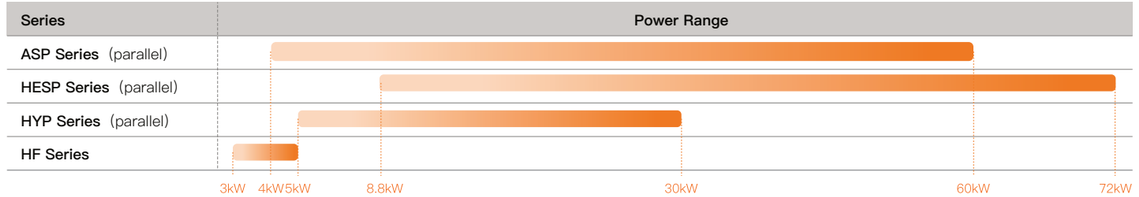
Output power

This character represents the power that can be output by the inverter. “100” stands for 10kW, “60” stands for 6kW, “30” stands for 3kW.

Solar charging current

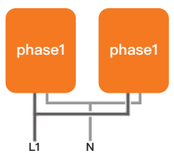
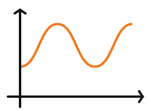
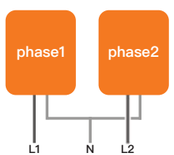
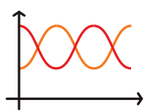
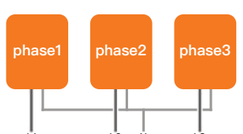
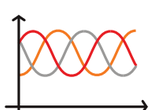
This character represents the Max. charging current by solar power, “200” stands for 200A , “100” stands for 100A.

Residential Solutions

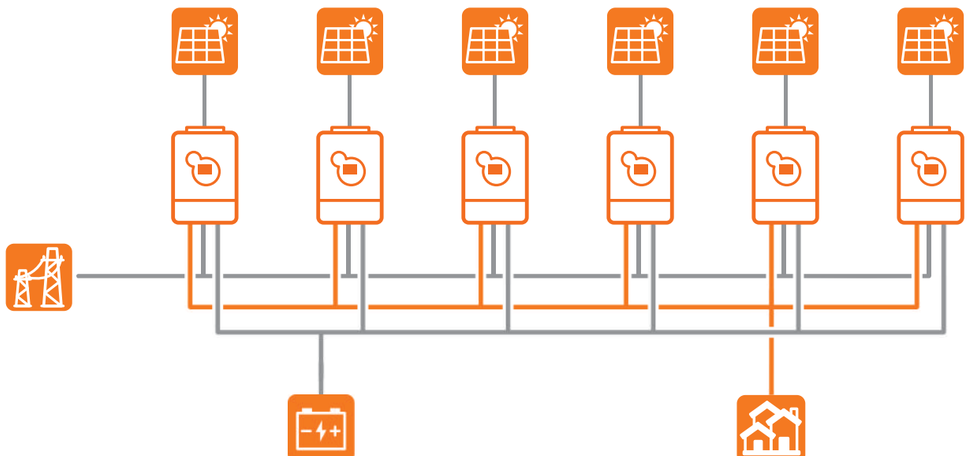


Parallel Connection

Suitable for models that support parallel use (Please refer to the list on pages 11)

Output plan	Output phase	Description
		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
		Supports 2 to 6 inverters connected in parallel, with L1 and L2 consisting of at least one inverter to form a split 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



Up to 6 units in parallel connection

Quick Selection Guide

Hybrid Solar Storage Inverter

Series	Models	Output			Battery		Solar Panel	Output mode		
		Rated Power	Output Phase	Can be parallel	Battery Voltage	Max. Charging Current	Max.Open circuit voltage	Self-use	Without battery	On-grid
HEBP-Pro	HEBP4880U240-Pro	8.8kW	Split-phase/Three-phase (Parallel)	√1~6 units	48V	240A	550V+550V	√	√	√
	HEBP48100U240-Pro	10kW								
	HEBP48120U240-Pro	12kW								
HEBP-H	HEBP48150U320-H	15kW	Split-phase/Single-Phase	√1~9 units	48V	320A	600V+600V+600V	√	√	√
	HEBP48160U340-H	16kW				340A				
	HEBP48180U380-H	18kW				380A				
HESP	HESP4840U120-HUS	4kW	Split-phase/Three-phase (Parallel)	√1~6 units	48V	120A	600V+600V	√	√	√
	HESP4850U120-HUS	5kW								
	HESP4860U140-HUS	6kW				140A				
	HESP4865U140-HUS	6.5kW								
	HESP4870U170-HUS	7kW				170A				
	HESP4880U190-HUS	8kW				190A				
HESP	HESP4880U200-H	8.8kW	Single-phase/Split-phase/Three-phase (Parallel)	√1~6 units	48V	200A	550V+550V	√	√	√
	HESP48100U200-H	10kW								
	HESP48120U200-H	12kW								
HESP	HESP48140UH3	14kW	Single-phase/Split-phase/Three-phase (Parallel)	√1~6 units	48V	300A	600V+600V+600V	√	√	√
	HESP48160UH3	16kW				330A				
	HESP48180UH3	18kW				350A				

Quick Selection Guide

Off-Grid solar storage inverter

Series	Models	Output			Battery		Solar Panel	Output mode		
		Rated Power	Output Phase	Can be parallel	Battery Voltage	Max. Charging Current	Max.Open circuit voltage	Self-use	Without battery	On-grid
ABP	ABP4840U100-H	4kW	Single-phase/Split-phase/Three-phase (Parallel)	√1~6 units	48V	100A	550V/550V	√	√	
	ABP4850U120-H	5kW				120A				
	ABP4860U140-H	6kW				140A				
	ABP4865U140-H	6.5kW				140A				
	ABP4880U180-H	8kW				180A				
	ABP48100U200-H	10kW				200A				
ASP	ASP4840U100-H	4kW	Single-phase/Split-phase/Three-phase (Parallel)	√1~6 units	48V	100A	550V/550V	√	√	
	ASP4850U120-H	5kW				120A				
	ASP4860U140-H	6kW				140A				
	ASP4865U140-H	6.5kW				140A				
	ASP4880U180-H	8kW				180A	500V/500V	√	√	
	ASP48100U200-H	10kW				200A				
	ASP48150UH3	15kW	Single-phase/Split-phase/Three-phase (Parallel)		48V	320A	600V/600V	√	√	
	ASP48160UH3	16kW				360A				
	ASP48180UH3	18kW				360A				
	ASP48140U300-H	14kW	Single-phase/Split-phase/Three-phase (Parallel)			300A	650V/650V	√	√	
	ASP48150U300-H	15kW								
	ASP48160U300-H	16kW								
HF	HF2430U80-H	3kW	Single-phase	/	24V	80A	500V	√		
	HF2430U60-100	3kW	Single-phase		24V	140A	108V	√		
	HF4850U80-H	5kW	Single-phase		48V	80A	500V	√		
HYP	HYP4850U100-H	5kW	Single-phase/Split-phase (Parallel) /Three-phase (Parallel)	√1~6 units	48V	100A	500V	√	√	

Output Mode

Self-use

In self-consumption mode, the inverter can store solar or utility grid electricity in the battery to meet the household's electricity needs. The user can also adjust the priority of different energy source to maximize electricity use.

For customers who wish to have a stable power supply.

▲ Supported on all models

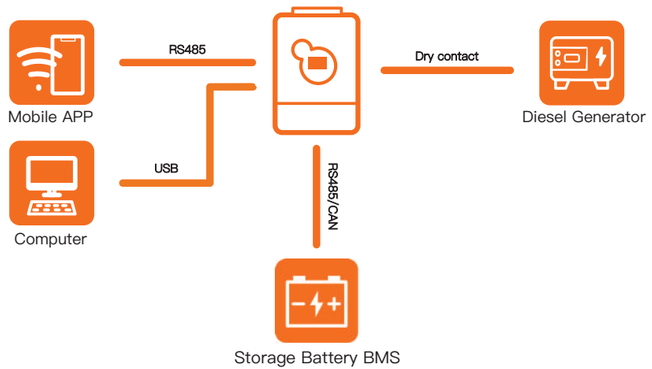
Without battery

In the without battery mode (anti-backflow), the mains electricity will be used to supplement the solar power to power the household load.

For customers who want to use clean energy to reduce their electricity costs.

▲ Supported on selected models only

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 managment 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

HEBP-Pro Series

HEBP4880U240-Pro
HEBP48100U240-Pro
HEBP48120U240-Pro

- IP65 protection grade for outdoor use
- Time-slot charging & discharging for peak and valley price
- Support self-use/without battery/on-grid output mode
- Support BMS communication
- Up to 6 units in parallel for 72kW
- The lightweight handle design makes installation more convenient
- Supports both mains and generator power input with intelligent switching
- With secondary protection and its own circuit breaker

MODEL	HEBP4880U240-Pro	HEBP48100U240-Pro	HEBP48120U240-Pro	Can Be Set
OFF-GRID OUTPUT				
Rated Output Power	8,800W	10,000W	240V-12,000W; 208V-10,400W	
Max.Peak Power	1.5 times rated power			
Rated Output Voltage	120/240Vac (Split-Phase) ; 120/208Vac (Three phase)			
Load Capacity of Motors	5HP	6HP		
GRID / GENERATOR INPUT				
Input Voltage Range	90-140Vac			
Frequency Range	50/60Hz			
Max. Bypass overload phase current	200A (5S)			
Continuous Grid Passthrough Current	180A			
BATTERY				
Battery Type	Lead-acid / Li-ion / User Defined			√
Rated Battery Voltage	48V			
Max.Mains Charging Current	200A			√
Max.Generator Charging Current	90A			
Max.Hybrid Charging Current	240A			√
PV INPUT				
Num. of MPPT Trackers	2			
Max.PV Array Power	6,600W+6,600W	7,500W+7,500W	9,000W+9,000W	
Max.Input Current	32A+32A			
Short-Circuit Current Isc	40A+40A			
Max.Voltage of Open Circuit	550Vdc+550Vdc			
MPPT Operating Voltage Range	125~450Vdc			
GENERAL				
Parallel Capacity	1~6 units			
Dimensions	840*440*260mm			
Weight	48kg			
Protection Degree	IP65			
Operating Temperature Range	-25~60℃,>45℃ derated			
Cooling Method	Heat sink + intelligent fan cooling			

HEBP-H Series

HEBP48150U320-H
HEBP48160U340-H
HEBP48180U380-H

- 3 independent MPPT ports, up to 1.6 times the rated photovoltaic power
- MPPT operating voltage: 120-500Vdc
- PV open-circuit voltage is 600V, and the single-channel current is 42A
- Max charge/discharge current: 380A, supporting fast charge/discharge
- Up to 9 units can be connected in parallel
- AC output with 3-level relay isolation (inverter to grid)

MODEL	HEBP48150U320-H	HEBP48160U340-H	HEBP48180U380-H	Can Be Set
AC OUTPUT				
Rated Output Power	15,000W	16,000W	18,000W	
Max.Peak Power	2 times rated power, 10s			
Rated Output Voltage	120/240Vac (Split-phase) 120/208Vac (Single-phase)			
Rated Output Current	62.5A	66.7A	75A	
GRID / GENERATOR INPUT				
Input Voltage Range	120/240Vac (Split-phase) 120/208Vac (Single-phase)			
Frequency Range	50/60Hz			
Bypass overload current	200A			
BATTERY				
Battery Type	Lead-acid / Li-ion / User Defined			√
Rated Battery Voltage	48V			
Max.Grid/Generator Charging Current	320A	340A	380A	
Max.Hybrid Charging Current	320A	340A	380A	√
PV INPUT				
Num. of MPPT Trackers	3			
Max.PV Array Power	30000W	32000W	36000W	
Max.Input Current	42A+42A+42A			
Short-Circuit Current Isc	63A+63A+63A			
Max.Voltage of Open Circuit	600Vdc+600Vdc+600Vdc			
MPPT Operating Voltage Range	125~500Vdc			
GENERAL				
Parallel Capacity	1~9 units			
Dimensions	860*460*313mm			
Weight	64.7kg			
Protection Degree	IP65			
Operating Temperature Range	-25~60℃,>45℃ derated			
Cooling Method	Heat sink + intelligent fan cooling			

HESP
Series

HESP4840U120-HUS
HESP4850U120-HUS
HESP4860U140-HUS
HESP4865U140-HUS
HESP4870U170-HUS
HESP4880U190-HUS

- 2 efficient, independent MPPT ports
- Separate generator port
- Equipped with independent circuit breaker protection for load, mains, generator, and battery
- Supports 150% single-phase unbalanced load
- Support time-slot function for peak-valley
- IP65 waterproof protection degree

MODEL	HESP4840U120-HUS	HESP4850U120-HUS	HESP4860U140-HUS	HESP4865U140-HUS	HESP4870U170-HUS	HESP4880U190-HUS	Can Be Set
OFF-GRID OUTPUT							
Rated Output Power	4,000W	5,000W	6,000W	6,500W	7,000W	8,000W	
Max.Peak Power	2 times rated power						
Rated Output Voltage	120/240Vac (Split-phase); 120/208Vac (Three-phase)						
Rated Frequency	50/60Hz						
ON-GRID OUTPUT							
Max. Peak Power	4,000W	5,000W	6,000W	6,500W	7,000W	8,000W	
Max. Apparent Power	4,400VA	5,500VA	6,600VA	7,000VA	7,000VA	8,000VA	
240V-Rated Output Current	16.6A	20.9A	25A	27.1A	29.2A	33.4A	
208V-Rated Output Current	19.2A	24A	28.8A	31.3A	33.7A	38.5A	
BATTERY							
Battery Type	Lead-acid / Li-ion / User Defined						√
Rated Battery Voltage	48V						
Max.Mains Charging Current	120A		140A		170A	190A	√
Max.Generator Charging Current	120A		140A		170A	190A	
Max.Hybrid Charging Current	120A		140A		170A	190A	√
PV INPUT							
Num. of MPPT Trackers	2+2						
Max.PV Input Power	8,000W+8,000W						
Max.Input Current	32A+32A						
Max.Voltage of Open Circuit	600Vdc+600Vdc						
MPPT Operating Voltage Range	80~500Vdc						
MAINS/GENERATOR INPUT							
Input Voltage Range	65~140Vac / 130Vac~280Vac						
Frequency Range	50/60Hz						
GENERAL							
Parallel Capacity	1~6 units						
Dimensions	750*400*250mm						
Weight	42kg						
Protection Degree	IP65						
Operating Temperature Range	-25~60℃,>45℃ derated						
Cooling Method	Intelligent air cooling + heat sink						

HESP
Series

HESP4880U200-H
HESP48100U200-H
HESP48120U200-H

- IP65 protection grade for outdoor use
- Time-slot charging & discharging for peak and valley price
- Support self-use/without battery/on-grid output mode
- Support BMS communication
- Up to 6 units in parallel for 72kW
- The lightweight handle design makes installation more convenient
- Supports both mains and generator power input with intelligent switching

MODEL	HESP4880U200-H	HESP48100U200-H	HESP48120U200-H	Can Be Set
OFF-GRID OUTPUT				
Rated Output Power	8,800W	10,000W	240V-12,000W; 208V-10,400W	
Max.Peak Power	2 times rated power			
Rated Output Voltage	120/240Vac, 120/208Vac Single/Split-phase/three phase(Parallel)			
Load Capacity of Motors	5HP	6HP		
ON-GRID OUTPUT				
Max. Peak Power	8,800W	10,000W	12,000W	
Max. Apparent Power	8,800VA	10,000VA	12,000VA	
240V-Rated Output Current	36.6A	41.7A	50A	
208V-Rated Output Current	42.3A	48.1A	50A	
BATTERY				
Battery Type	Lead-acid / Li-ion / User Defined			√
Rated Battery Voltage	48V			
Max.MPPT Charging Current	200A			√
Max.Mains Charging Current	120A			√
Max.Generator Charging Current	60A			
Max.Hybrid Charging Current	200A			√
PV INPUT				
Num. of MPPT Trackers	2			
Max.PV Array Power	5,500W+5,500W		6,600W+6,600W	
Max.Input Current	25A+25A			
Max.Voltage of Open Circuit	550Vdc+550Vdc			
MPPT Operating Voltage Range	125~450Vdc			
MAINS/GENERATOR INPUT				
Input Voltage Range	90~140Vac			
Frequency Range	50/60Hz			
GENERAL				
Parallel Capacity	1~6 units			
Dimensions	750*440*240mm (2.46*1.44*0.79ft)			
Weight	42kg (92.59lb)			
Protection Degree	IP65			
Operating Temperature Range	-25~60℃,>45℃ derated			
Cooling Method	Internal Fan			

HESP
Series

HESP48140UH3
HESP48160UH3
HESP48180UH3

- 3 independent MPPT ports, up to 1.6 times the rated PV power.
- PV open-circuit voltage is 600V, and the single-channel current is 40A.
- Support fast charging, Max. charging/discharging current is 350A.
- Separate generator port.
- Smart load function.
- AC coupling function.
- Up to 9 units can be connected in parallel, forming a 162kW commercial and industrial system.

MODEL	HESP48140UH3	HESP48160UH3	HESP48180UH3	Can Be Set
OFF-GRID OUTPUT				
Rated Output Power	14,000W	16,000W	18,000W	
Max.Peak Power	15,400VA	17,600VA	19,800VA	
Rated Output Voltage		120/208V 0.85Un-1.1Un		
ON-GRID OUTPUT				
Max. Peak Power	14,000W	16,000W	18,000W	
Max. Apparent Power	15,400VA	17,600VA	19,800VA	
Rated AC Input/Output Current	44.5A/38.8A	50A/44.5A	55.5A/50A	
Max. AC Input/Output Current	44.5A/38.8A	50A/44.5A	55.5A/50A	
BATTERY				
Battery Type		Lead-acid / Li-ion / User Defined		√
Rated Battery Voltage		48V		
Max.Mains Charging Current	300A	330A	350A	√
Max.Generator Charging Current	300A	330A	350A	
Max.Hybrid Charging Current	300A	330A	350A	√
PV INPUT				
Num. of MPPT Trackers		3		
Max.PV Array Power	9,000W+9,000W+9,000W	10,600W+10,600W+10,600W	12,000W+12,000W+12,000W	
Max.Input Current		40A+40A+40A		
Max.Voltage of Open Circuit		600Vdc+600Vdc+600Vdc		
MPPT Operating Voltage Range		120V-500V		
MAINS/GENERATOR INPUT				
Input Voltage Range		90~140Vac		
Frequency Range		40-70Hz		
GENERAL				
Parallel Capacity		1~6 units		
Dimensions		860*480*313mm		
Weight		59kg		
Protection Degree		IP65		
Operating Temperature Range		-25~60℃,>45℃ derated		
Cooling Method		Heat sink + intelligent air cooling		

ASP Series

ASP48150UH3
ASP48160UH3
ASP48180UH3

- 2+2 High-Efficiency MPPT Input, efficiency up to 99.9%
- Max. Input Current per MPPT 36A
- 2x Rated Power Input (Grid/Generator)
- Max. 100A Bypass Current Input (Grid/Generator)
- Max. support for 6 units parallel, Scalable to 108kW for commercial applications
- No Neutral Connection Required
- External Load Anti-Backflow Protection
- Dual activation function for lithium batteries

MODEL	ASP48150UH3	ASP48160UH3	ASP48180UH3	Can Be Set
INVERTER OUTPUT				
Rated Output Power	15,000W	16,000W	18,000W	
Max.Peak Power	16,500VA	17,600VA	19,800VA	
Rated Output Voltage	120/208Vac (Three-Phase)			√
Rated Output Current	41.7A	44.5A	50A	
Rated AC Frequency	50/60Hz			
BATTERY				
Battery Type	Li-ion / Lead-Acid / User Defined			√
Rated Battery Voltage	48Vdc			
Voltage Range	40～60Vdc			√
Max.Mains/Generator Charging Current	320A	360A	360A	√
Max.Hybrid Charging Current	320A	360A	360A	√
PV INPUT				
Num. of MPPT Trackers	2			
Max.PV input power	14,400W + 14,400W			
Max.input current	36A + 36A			
Max.Voltage of Open Circuit	600Vdc + 600Vdc			
MAINS / GENERATOR INPUT				
Input Voltage Range	Phase Voltage 90~140Vac; Line Voltage 156~242Vac			
Frequency Range	50/60Hz			
Bypass Overload Current	100A			
GENERAL				
Parallel Capacity	1～6 units			√
Dimensions	803mm*593mm*210mm			
Protection Degree	IP20，Indoor Only			
Operating Temperature Range	-15~55℃,>45℃ derated（5~131℉，>113℉ derated）			
Noise	<60dB			
Cooling Method	Air Cooling			

ABP Series

ABP4840U100-H
ABP4850U120-H
ABP4860U140-H
ABP4865U140-H
ABP4880U180-H
ABP48100U200-H

- Single unit power up to 4-10kW
- Dual MPPT, with an efficiency of up to 99.9%.
- Time-of-use charging and discharging function suitable for peak and valley electricity price applications.
- Support self-use/without battery output mode
- The energy-saving mode function of a single machine reduces no-load energy loss.
- Supports Lithium battery BMS communication.

MODEL	ABP4840U100-H	ABP4850U120-H	Can Be Set
INVERTER OUTPUT			
Rated Output Power	4,000W	5,000W	
Max.Peak Power	8,000VA	10,000VA	
Rated Output Voltage	120Vac (Single-phase) / 240Vac (Split-phase)		√
Load Capacity of Motors	5HP		
Rated AC Frequency	50/60Hz		
BATTERY			
Battery Type	Li-ion / Lead-Acid / User Defined		√
Rated Battery Voltage	48Vdc		
Voltage Range	40~60Vdc		√
Max.Mains/Generator Charging Current	60A	60A	√
Max.Hybrid Charging Current	100A	120A	√
PV INPUT			
Num. of MPPT Trackers	2		
Max.PV array power	3,000W + 3,000W	3,800W + 3,800W	
Max.input current	18A + 18A		
Max.Voltage of Open Circuit	550Vdc + 550Vdc		
MAINS / GENERATOR INPUT			
Input Voltage Range	65~140Vac		
Frequency Range	50/60Hz		
Bypass Overload Current	40A		
GENERAL			
Parallel Capacity	1~6 units		√
Dimensions	553mm*410 mm*130 mm		
Protection Degree	IP20, Indoor Only		
Operating Temperature Range	-10~55℃,>45℃ derated (5~131℉, >113℉ derated)		
Noise	<60dB		
Cooling Method	Internal Fan		

MODEL	ABP4860U140-H	ABP4865U140-H	Can Be Set
INVERTER OUTPUT			
Rated Output Power	6,000W	6,500W	
Max.Peak Power	12,000VA	13,000VA	
Rated Output Voltage	120Vac (Single-phase) / 240Vac (Split-phase)		√
Load Capacity of Motors	5HP		
Rated AC Frequency	50/60Hz		
Parallel Capacity	1~6 units		√
BATTERY			
Battery Type	Li-ion / Lead-Acid / User Defined		√
Rated Battery Voltage	48Vdc		
Voltage Range	40~60Vdc		√
Max.Mains/Generator Charging Current	80A	80A	√
Max.Hybrid Charging Current	140A	140A	√
PV INPUT			
Num. of MPPT Trackers	2		
Max.PV array power	4,500W + 4,500W	5,000W + 5,000W	
Max.input current	18A + 18A		
Max.Voltage of Open Circuit	550Vdc + 550Vdc		
MAINS / GENERATOR INPUT			
Input Voltage Range	65~140Vac		
Frequency Range	50/60Hz		
Bypass Overload Current	40A		
GENERAL			
Dimensions	553mm*410 mm*130 mm		
Protection Degree	IP20, Indoor Only		
Operating Temperature Range	-10~55℃,>45℃ derated (5~131℉, >113℉ derated)		
Noise	<60dB		
Cooling Method	Internal Fan		

MODEL	ABP4880U180-H	ABP48100U200-H	Can Be Set
INVERTER OUTPUT			
Rated Output Power	8,000W	10,000W	
Max.Peak Power	16,000VA	20,000VA	
Rated Output Voltage	120Vac (Single-phase) / 240Vac (Split-phase)		√
Load Capacity of Motors	5HP	6HP	
Rated AC Frequency	50/60Hz		
Parallel Capacity	1~6 units		√
BATTERY			
Battery Type	Li-ion / Lead-Acid / User Defined		√
Rated Battery Voltage	48Vdc		
Voltage Range	40~60Vdc		√
Max.MPPT Charging Current	180A	200A	√
Max.Mains/Generator Charging Current	100A	120A	√
Max.Hybrid Charging Current	180A	200A	√
PV INPUT			
Num. of MPPT Trackers	2		
Max.PV array power	5,500W + 5,500W		
Max.input current	22A + 22A		
Max.Voltage of Open Circuit	500Vdc + 500Vdc		
MAINS / GENERATOR INPUT			
Input Voltage Range	90~140Vac		
Frequency Range	50/60Hz		
Bypass Overload Current	63A		
GENERAL			
Dimensions	723 mm*448 mm*150 mm		
Weight	28kg		
Protection Degree	IP20, Indoor Only		
Operating Temperature Range	-10~55℃,>45℃ derated (5~131℉, >113℉ derated)		
Noise	<60dB		
Cooling Method	Internal Fan		

ASP Series

ASP4840U100-H
ASP4850U120-H
ASP4860U140-H
ASP4865U140-H
ASP4880U180-H
ASP48100U200-H

- Single unit power up to 4-10kW
- Dual MPPT, with an efficiency of up to 99.9%.
- Time-of-use charging and discharging function suitable for peak and valley
- electricity price applications.
- Support self-use/without battery output mode
- The energy-saving mode function of a single machine reduces no-load energy loss.
- Supports Lithium battery BMS communication.

MODEL	ASP4840U100-H	ASP4850U120-H	Can Be Set
INVERTER OUTPUT			
Rated Output Power	4,000W	5,000W	
Max.Peak Power	8,000VA	10,000VA	
Rated Output Voltage	120Vac (Single-phase) / 240Vac (Split-phase)		√
Load Capacity of Motors	5HP		
Rated AC Frequency	50/60Hz		
Parallel Capacity	1~6 units		√
BATTERY			
Battery Type	Li-ion / Lead-Acid / User Defined		√
Rated Battery Voltage	48Vdc		
Voltage Range	40~60Vdc		√
Max.Mains/Generator Charging Current	60A	60A	√
Max.Hybrid Charging Current	100A	120A	√
PV INPUT			
Num. of MPPT Trackers	2		
Max.PV array power	3,000W + 3,000W	3,800W + 3,800W	
Max.input current	18A + 18A		
Max.Voltage of Open Circuit	550Vdc + 550Vdc		
MAINS / GENERATOR INPUT			
Input Voltage Range	65~140Vac		
Frequency Range	50/60Hz		
Bypass Overload Current	45A		
GENERAL			
Dimensions	553mm*410 mm*130 mm		
Protection Degree	IP20, Indoor Only		
Operating Temperature Range	-15~55℃,>45℃ derated (5~131℉, >113℉ derated)		
Noise	<60dB		
Cooling Method	Internal Fan		

MODEL	ASP4860U140-H	ASP4865U140-H	Can Be Set
INVERTER OUTPUT			
Rated Output Power	6,000W	6,500W	
Max.Peak Power	12,000VA	13,000VA	
Rated Output Voltage	120Vac（Single-phase）/ 240Vac（Split-phase）		√
Load Capacity of Motors	5HP		
Rated AC Frequency	50/60Hz		
Parallel Capacity	1~6 units		√
BATTERY			
Battery Type	Li-ion / Lead-Acid / User Defined		√
Rated Battery Voltage	48Vdc		
Voltage Range	40~60Vdc		√
Max.Mains/Generator Charging Current	80A	80A	√
Max.Hybrid Charging Current	140A	140A	√
PV INPUT			
Num. of MPPT Trackers	2		
Max.PV array power	5,000W + 5,000W		
Max.input current	18A + 18A		
Max.Voltage of Open Circuit	550Vdc + 550Vdc		
MAINS / GENERATOR INPUT			
Input Voltage Range	90~140Vac		
Frequency Range	50/60Hz		
Bypass Overload Current	40A		
GENERAL			
Dimensions	553mm*410 mm*130 mm		
Protection Degree	IP20，Indoor Only		
Operating Temperature Range	-15~55℃,>45℃ derated（5~131℉，>113℉ derated）		
Noise	<60dB		
Cooling Method	Internal Fan		

MODEL	ASP4880U180-H	ASP48100U200-H	Can Be Set
INVERTER OUTPUT			
Rated Output Power	8,000W	10,000W	
Max.Peak Power	16,000VA	20,000VA	
Rated Output Voltage	120Vac（Single-phase）/ 240Vac（Split-phase）		√
Load Capacity of Motors	5HP	6HP	
Rated AC Frequency	50/60Hz		
Parallel Capacity	1~6 units		√
BATTERY			
Battery Type	Li-ion / Lead-Acid / User Defined		√
Rated Battery Voltage	48Vdc		
Voltage Range	40~60Vdc		√
Max.MPPT Charging Current	180A	200A	√
Max.Mains/Generator Charging Current	100A	120A	√
Max.Hybrid Charging Current	180A	200A	√
PV INPUT			
Num. of MPPT Trackers	2		
Max.PV array power	5,500W + 5,500W		
Max.input current	22A + 22A		
Max.Voltage of Open Circuit	500Vdc + 500Vdc		
MAINS / GENERATOR INPUT			
Input Voltage Range	90~275Vac		
Frequency Range	50/60Hz		
Bypass Overload Current	63A		
GENERAL			
Dimensions	620*445*130mm		
Weight	27kg（59.5lb）		
Protection Degree	IP20，Indoor Only		
Operating Temperature Range	-10~55℃,>45℃ derated（5~131℉，>113℉ derated）		
Noise	<60dB		
Cooling Method	Internal Fan		

ASP Series

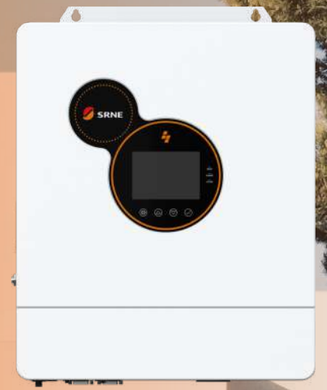
ASP48140U300-H
ASP48150U300-H
ASP48160U300-H

- Compatible with 48V storage batteries
- 2 High-Efficiency MPPT Input, efficiency up to 99%
- Max. Input Current per MPPT 36A
- Max. 100A Bypass Current Input (Grid)
- Support 130% unbalanced load
- Max. support for 6 units parallel, Scalable to 96kW for commercial applications
- 2 power supply modes: PV-only, hybrid charging
- External Load Anti-Backflow Protection

MODEL	ASP48140U300-H	ASP48150U300-H	ASP48160U300-H	Can Be Set
INVERTER OUTPUT				
Rated Output Power	14,000W	15,000W	16,000W	
Max.Peak Power		2 times rated power, 10s		
Rated Output Voltage		120Vac/240Vac (L1+L2+N+PE)		√
Rated Output Current	58.3A	62.5A	66.7A	
Rated AC Frequency		50/60Hz		
BATTERY				
Battery Type		Li-ion / Lead-Acid / User Defined		√
Rated Battery Voltage		48Vdc		
Voltage Range		40～60Vdc		√
Max.Mains/Generator Charging Current	300A	300A	300A	√
Max.Hybrid Charging Current	300A	300A	300A	√
PV INPUT				
Num. of MPPT Trackers		2		
Max.PV input power		12,000W + 12,000W		
Max.input current		36A + 36A		
Max.Voltage of Open Circuit		650Vdc + 650Vdc		
MAINS / GENERATOR INPUT				
Input Voltage Range		85Vac~140Vac / 170Vac~280Vac		
Frequency Range		50/60Hz		
Bypass Overload Current		100A		
GENERAL				
Parallel Capacity		1～6 units		√
Dimensions		514*848.7*190mm		
Protection Degree		IP20，Indoor Only		
Operating Temperature Range		-15~55℃,>45℃ derated（5~131℉，>113℉ derated）		
Noise		<60dB		
Cooling Method		Air Cooling		

HYP
Series

HYP4850U100-H



- Up to 6 units in parallel for 30kW
- Time-slot charging & discharging for peak and valley price
- Support self-use/without battery output mode
- Single phase / split phase / three phase outputs available
- Support BMS communication

MODEL	HYP4850U100-H	Can Be Set
INVERTER OUTPUT		
Rated Output Power	5,000W	
Max.Peak Power	10,000VA	
Rated Output Voltage	120Vac, single phase/split phase(Parallel)/three phase(Parallel)	√
Load Capacity of Motors	4HP	
Rated AC Frequency	50Hz/60Hz	
Parallel Capacity	1~6 units	
BATTERY		
Battery Type	Li-ion/Lead-Acid/User Defined	√
Rated Battery Voltage	48Vdc	
Max.MPPT Charging Current	100A	√
Max.Mains/Generator Charging Current	40A	√
Max.Hybrid Charging Current	100A	√
PV INPUT		
Num. of MPPT Trackers	1	
Max.PV Array Power	5,500W	
Max.Input Current	22A	
Max.Voltage of Open Circuit	500Vdc	
MAINS/GENERATOR INPUT		
Input Voltage Range	90~140Vac	
Frequency Range	50Hz/60Hz	
Bypass Overload Current	40A	
GENERAL		
Dimensions	446.9*350*133mm (1.4*1*0.4ft)	
Weight	13kg (28.6lb)	
Protection Degree	IP20, Indor Only	
Noise	<60dB	
Cooling Method	Internal Fan	

HF Series

–High PV Voltage

HF4850U80–H
HF2430U80–H

- Suitable for off–grid applications
- Stable output of pure sine waves
- Support BMS communication
- Multiple charge and discharge modes are available

MODEL	HF4850U80–H	HF2430U80–H	Can Be Set
INVERTER OUTPUT			
Rated Output Power	5,000W	3,000W	
Max.Peak Power	10,000VA	6,000VA	
Rated Output Voltage	120Vac（single phase）		√
Load Capacity of Motors	4HP	2HP	
Rated AC Frequency	50Hz/60Hz		
BATTERY			
Battery Type	Li–ion/Lead–Acid/User Defined		√
Rated Battery Voltage	48Vdc	24Vdc	
Max.MPPT Charging Current	80A	80A	√
Max.Mains/Generator Charging Current	40A		√
Max.Hybrid Charging Current	80A		√
PV INPUT			
Num. of MPPT Trackers	1		
Max.PV Array Power	5,200W	4,000W	
Max.Input Current	18A	13A	
Max.Voltage of Open Circuit	500Vdc		
MAINS/GENERATOR INPUT			
Input Voltage Range	90~140Vac		
Frequency Range	50Hz/60Hz		
Bypass Overload Current	40A	40A	
GENERAL			
Dimensions	426*322*126mm（1.3*1*0.4ft）	378*280*103mm（1.2*0.9*0.3ft）	
Weight	10.9kg (24lb)	8kg (17.6lb)	
Protection Degree	IP20, Indor Only		
Operating Temperature Range	–15℃~55℃（5℉~55℉）		
Noise	<60dB		
Cooling Method	Internal Fan		

HF Series

–Low PV Voltage

HF2430U60–100

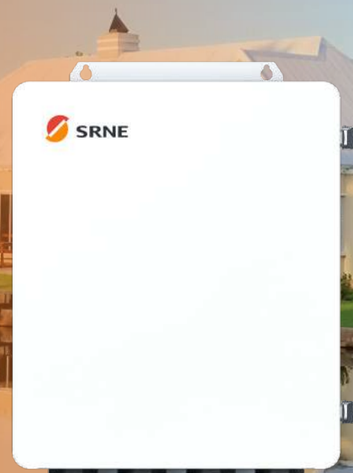
- Suitable for off–grid applications
- Stable output of pure sine waves
- Support BMS communication
- Multiple charge and discharge modes are available

MODEL	HF2430U60–100	Can Be Set
INVERTER OUTPUT		
Rated Output Power	3,000W	
Max.Peak Power	6,000VA	
Rated Output Voltage	120Vac（single phase）	√
Load Capacity of Motors	2HP	
Rated AC Frequency	50Hz/60Hz	
BATTERY		
Battery Type	Li–ion/Lead–Acid/User Defined	√
Rated Battery Voltage	24Vdc	
Max.MPPT Charging Current	60A	√
Max.Mains/Generator Charging Current	40A	√
Max.Hybrid Charging Current	100A	√
PV INPUT		
Num. of MPPT Trackers	1	
Max.PV Array Power	1,600W	
Max.Input Current	40A	
Max.Voltage of Open Circuit	108Vdc	
MAINS/GENERATOR INPUT		
Input Voltage Range	90~140Vac	
Frequency Range	50Hz/60Hz	
Bypass Overload Current	40A	
GENERAL		
Dimensions	378*280*103mm（1.2*0.9*0.3ft）	
Weight	6.8kg（14.9lb）	
Protection Degree	IP20, Indor Only	
Operating Temperature Range	–15℃~55℃（5℉~55℉）	
Noise	<60dB	
Cooling Method	Internal Fan	

ATS Series

–Smart Switch box

ATS380S63–S3



- Dual AC input automatic switching, dual outputs
- IP54 waterproof grade
- Support three–phase pure sine output

Model	SR–ATS380S63–S3
AC INPUT (GRID)	
Grid Connection	Three–Phase
Rated AC Voltage/Range	380V,400V,415V/342~440V
Rated Input Voltage	230V/400V
Rated Input Frequency	50/60Hz
Nominal Input Current	63A
AC INPUT(INVERTER)	
Inverter Connection	Three–Phase
Rated AC Voltage/Range	380V,400V,415V/342~440V
Rated Input Voltage	230V/380V
Rated Input Frequency	50/60Hz
Max. Number of Connection	2
Load Output	
Load Connection	Three–Phase
Rated AC Voltage/Range	380V,400V,415V/312~485V
Rated Outlput Voltage	230V/380V
Rated Input Frequency	50/60Hz
Max. Number of Connection	2
GENERAL	
Ingree Protection	IP54
Dimension(W*H*D)	452mm*382mm*143mm
Weight	13.5Kg
Warranty	5 Year
Applicable Standard	IEC62109–1/IEC62109–2/EN61000

Applications


ASP+EOS Series


ASP+EOS Series


ASP+EOS Series


HESP+SE Series


HF Series

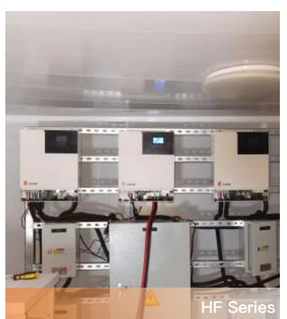

ASF+EOS Series

Applications


HESP+EOS Series


HESP+EOS Series


HESP+EOS Series


HF Series


HF Series

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