

Solar Charge Inverter

For Residential



Expert in Solar Energy Storage
Manage and Control

www.srneinverter.com

2023

Brief Introduction

About SRNE	3
Connection Diagram	5
System Connection	6
Naming Rule	7

Selection Guide

Residential Solutions	8
Quick Selection Guide - EU model	12
Quick Selection Guide - US model	13
Communication Function	15
Mobile APP (Wi-Fi)	16
01/ ASF series	17
02/ HES series	21
03/ HESP series	23

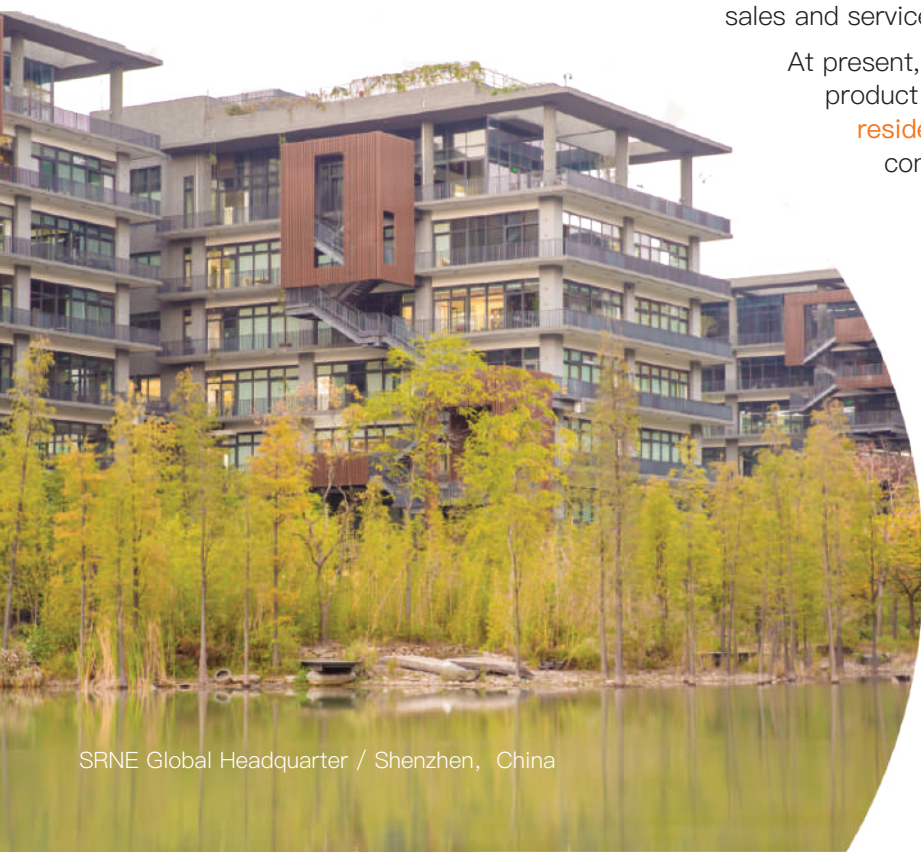
Product Parameter

04/ HYP series	25
05/ HFP series	28
06/ HTP series	31
07/ HF-HV series	33
08/ HF-LV series	36

About SRNE

SRNE Solar Co.,Ltd. was established in 2008, headquartered in Shenzhen, China, Which is a high-tech enterprise integrating R&D, production, sales and service.

At present, We provides customers with three major product lines: Residential solar energy storage systems, **residential solar charge inverters** and solar charge controllers



SRNE Global Headquarter / Shenzhen, China

2021-2023

- Awarded Shenzhen Famous Brand Product
- Development and production of photovoltaic energy storage systems

2012-2016

- Establishment of a foreign sales department to develop international markets
- Development and production of solar charge controllers

2017-2020

- Investment Dongguan production base and expanded factory area to 20,000 sqm
- Development and production of solar charge inverters

2009

- SRNE Solar Co.,Ltd. established
- Development and production of solar street light controllers

Our Vision

Our vision is to become global tier-1 residential solar system provider



Our Core Values

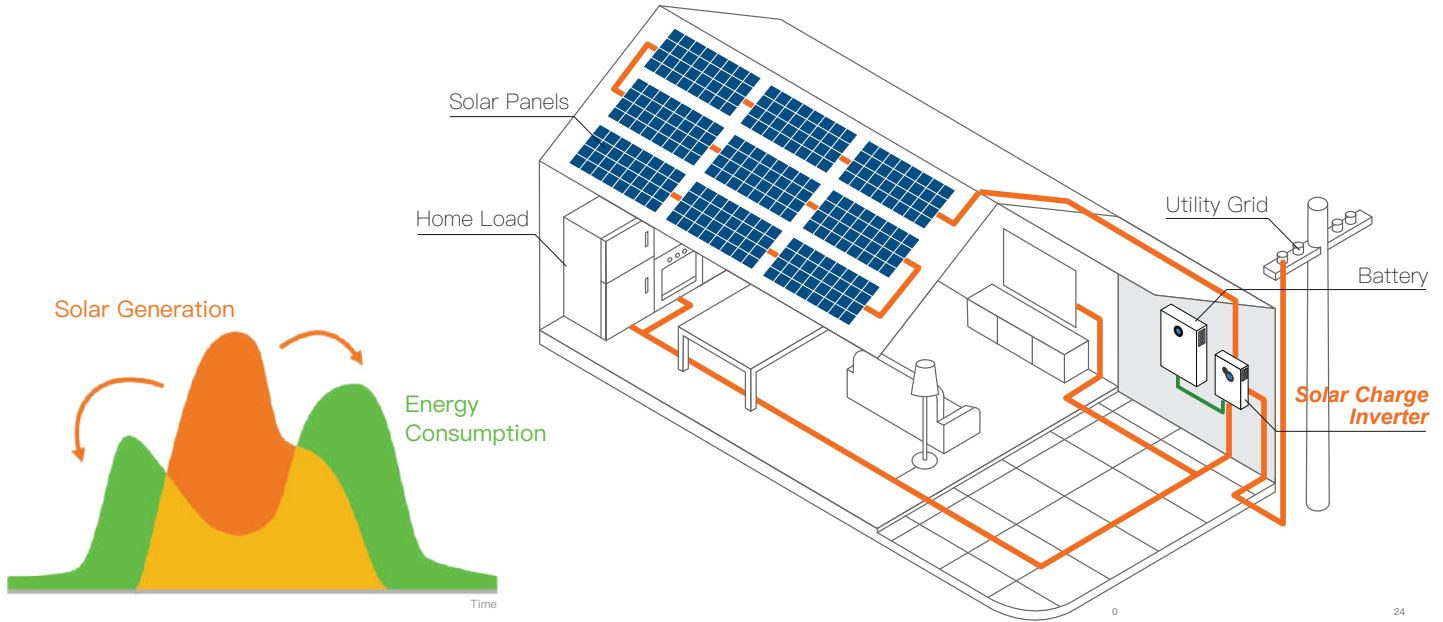
- Integrity
- Innovative
- Surpass
- Cooperation
- Differentiation
- High-quality
- Proactive
- Efficient

Our Mission

We are on a mission to:

- Promoting the use of solar energy
- Making green energy change lives

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.

Utility Grid (AC input)

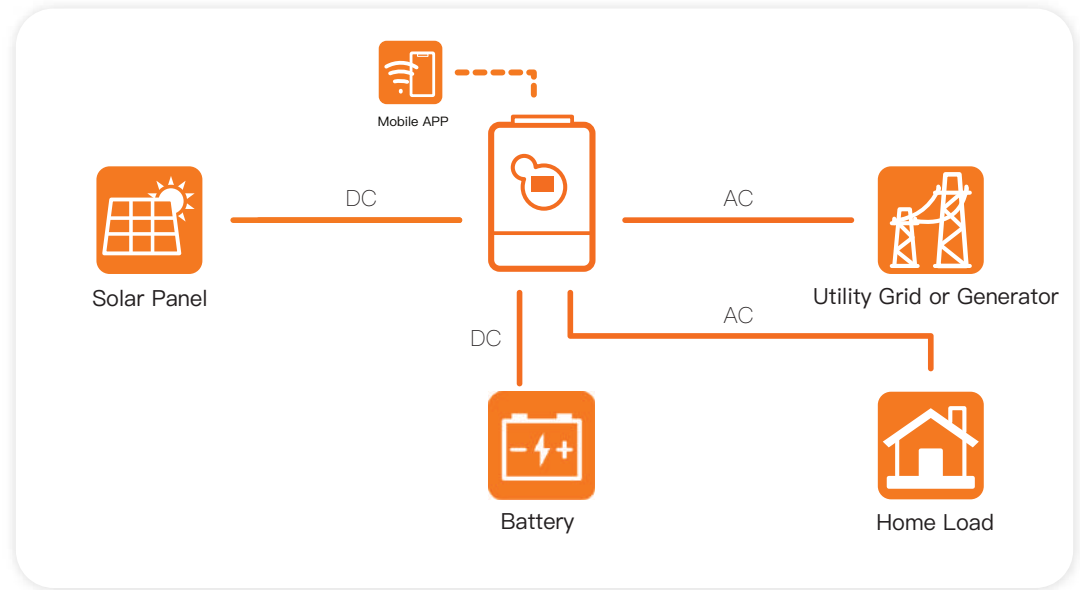
The mains electricity or generator can be used as an energy supplement to the PV system, charging the batteries or supplying the load when there is a lack of solar energy, and some models support the feeding of excess power back into the grid.

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 Charge 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, "S" stands for EU standard voltage (200~240Vac). "U" stands for US standard voltage (100~120Vac)

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. Remember do not exceed this limit. "H" stands for 500V, "145" stands for 145V

Output power

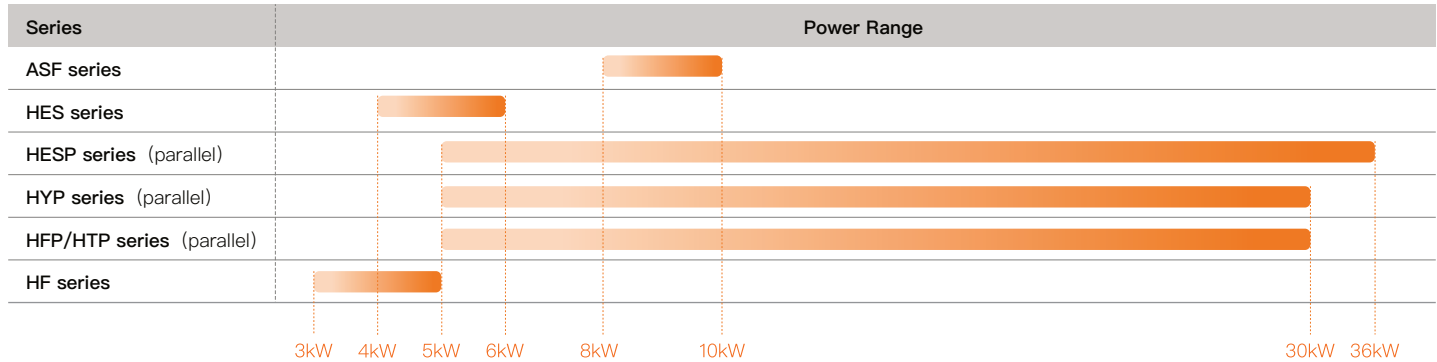
This character represents the power that can be output by the inverter. "100" stands for 10kW, "50" stands for 5kW, "30" stands for 3kW.

Solar charging current

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

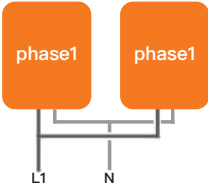
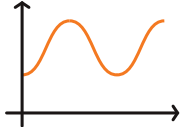
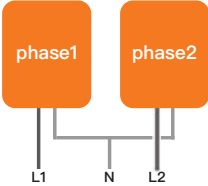
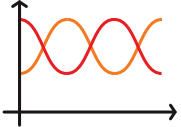
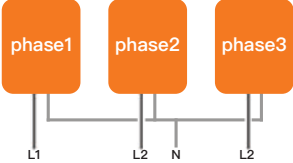
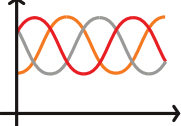
HESP 48 60 S 100 -H

Residential Solutions

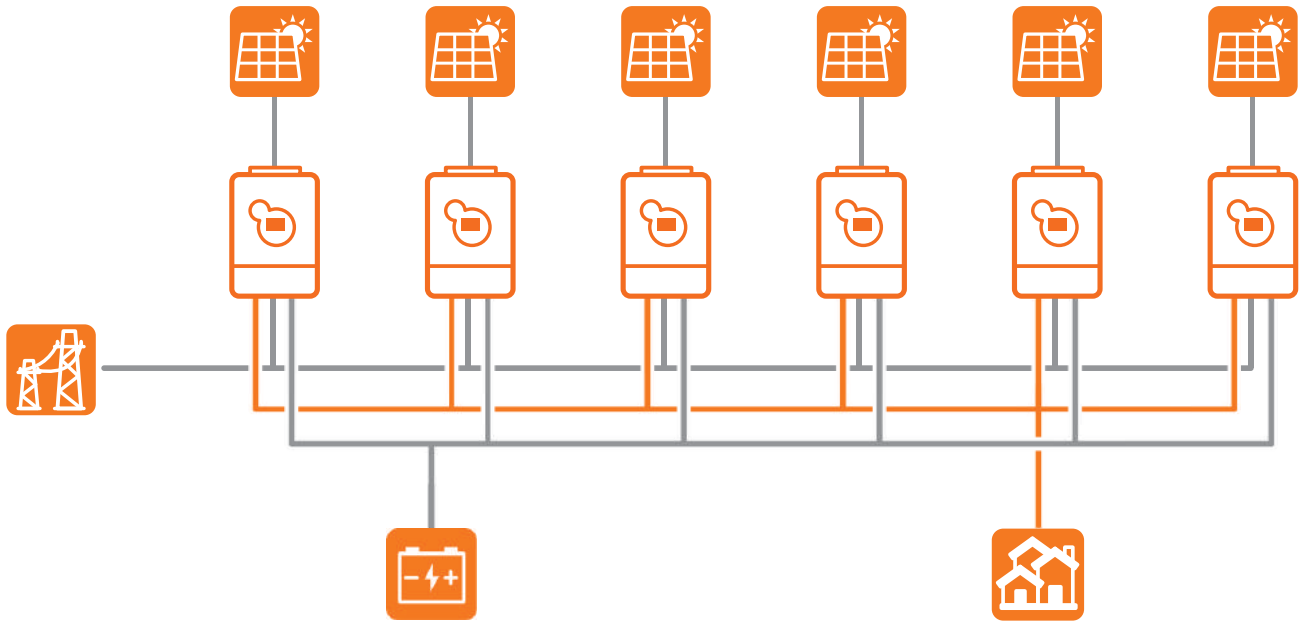


Parallel Connection

Suitable for models that support parallel use (Please refer to the list on pages 12–13)

Output plan	Output phase	Description
	 <p data-bbox="716 473 896 493">Single phase output</p>	<p data-bbox="1054 350 1477 415">Supports parallel connection of 1 to 6 inverters, each with the same phase output, for a single-phase output with power stacking</p> <p data-bbox="1054 441 1473 482">Eg. 5kW per inverter, 3 inverters in parallel can output 15kW</p>
	 <p data-bbox="724 714 895 734">Split phase output</p>	<p data-bbox="1054 600 1490 665">Supports 2 to 6 inverters connected in parallel, with L1 and L2 consisting of at least one inverter to form a split phase output</p> <p data-bbox="1054 691 1283 711">(US voltage models only)</p>
	 <p data-bbox="724 955 895 975">Three phase output</p>	<p data-bbox="1054 863 1497 928">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</p>

Flexible & Stable



Up to 6 units in parallel connection

Quick Selection Guide – EU model

EU voltage models (200~240Vac)

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	Hybrid	On-grid
ASF	ASF48100S200-H	10kW	1 phase		48V	200A	500V	√	√	
	ASF4880S180-H	8kW								
HES	HES4840S100-H	4kW	1 phase		48V	100A	500V	√	√	√
	HES4850S100-H	5kW								
	HES4860S100-H	6kW								
HESP	HESP4850S100-H	5kW	1/3 phase	√ 1~6 units	48V	100A	500V	√	√	√
	HESP4860S100-H	6kW								
HYP	HYP4850S100-H	5kW	1/3 phase	√ 1~6 units	48V	100A	500V	√	√	
HFP	HFP4850S80-H	5kW	1/3 phase	√ 1~6 units	48V	80A	500V	√		
	HFP4850S80-145	5.5kW				140A	145V			
HTP	HFP4850S80-H	5kW	1/3 phase	√ 1~6 units	48V	80A	500V	√		
HF	HF4850S80-H	5kW	1 phase		48V	80A	500V	√		
	HF2430S80-H	3kW			24V	80A	500V			
	HF4850S80-145	5kW			48V	140A	145V			
	HF4830S60-145	3kW			48V	120A	145V			
	HF2430S60-100	3kW			24V	140A	100V			

Output Mode – EU model



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



Hybrid

In the hybrid mode(anti-backflow), where storage batteries are not required, 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



On-grid

In on-grid mode, the inverter can feed excess power back into the grid, helping users to gain revenue from the sale of electricity.

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

▲
Supported on selected models only

Quick Selection Guide – US model

US voltage models (100~120Vac)

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	Hybrid
ASF	ASF48100U200-H	10kW	1/2 phase		48V	200A	500V	√	√
	ASF4880U180-H	8kW							
HYP	HYP4850U100-H	5kW	1/2/3 phase	√ 1~6 units	48V	100A	500V	√	√
HFP	HFP4850U80-145	5kW	1/2/3 phase	√ 1~6 units	48V	140A	145V	√	
HF	HF4850U80-H	5kW	1 phase		48V	80A	500V	√	
	HF2430U80-H	3kW	1 phase		24V	80A	500V	√	
	HF4835U60-H	3.5kW	1 phase		48V	80A	500V	√	
	HF4835U80-145	3.5kW	1 phase		48V	120A	145V	√	
	HF2430U60-100	3kW	1 phase		24V	140A	100V	√	

■ Output mode – US model



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



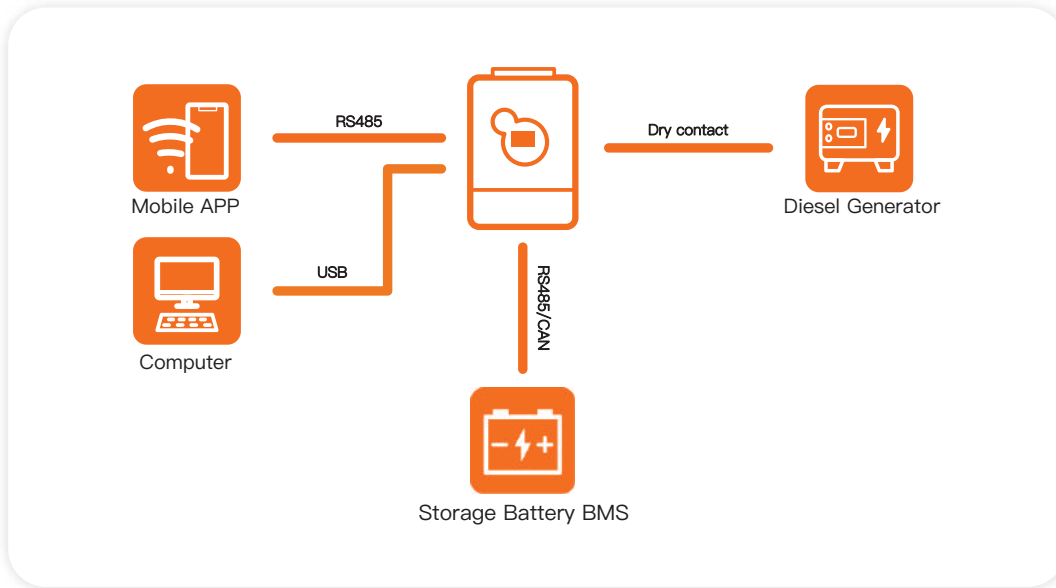
Hybrid

In the hybrid mode (anti-backflow), where storage batteries are not required, 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.

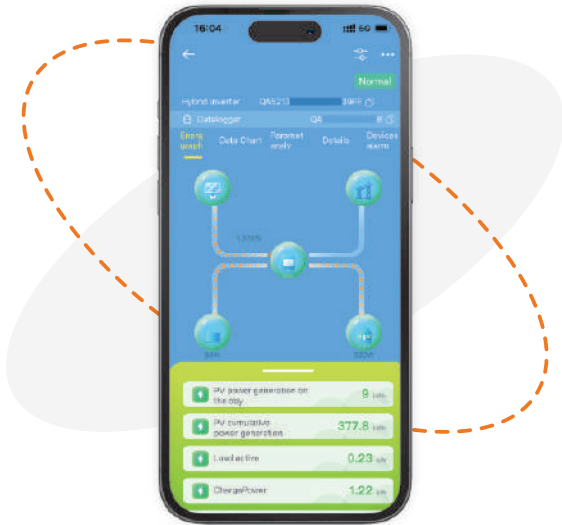
Diesel Generator

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 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.

ASF series

ASF48100S200-H
ASF4880S200-H

ASF48100U200-H
ASF4880U200-H

- Single unit power up to 8-10kW
- 2 MPPT strings input
- Time-slot charging & discharging for peak and valley price
- Support self-use/hybrid output mode
- Single/split phase output available
- Support BMS communication

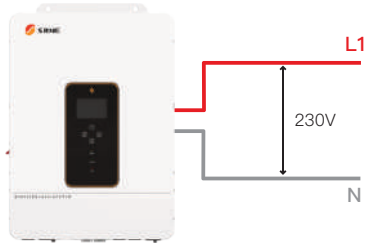


MODEL	ASF4880S180-H	ASF48100S200-H	CAN BE SET
INVERTER OUTPUT			
Rated Output Power	8,000W	10,000W	
Max.Peak Power	16,000W	20,000W	
Rated Output Voltage	230Vac (single phase)		√
Load Capacity of Motors	5HP	6HP	
Rated AC Frequency	50/60Hz		√
BATTERY			
Battery Type	Li-ion / Lead-Acid / User Defined		√
Rated Battery Voltage	48Vdc		
Max.MPPT Charging Current	200A		√
Max.Mains/Generator Charging Current	100A	120A	√
Max.Hybrid Charging Current	180A	200A	√
PV INPUT			
Num. of MPP Trackers	2		
Max.PV array power	5,500W + 5,500W		
Max.input current	22A + 22A		
Max.Voltage of Open Circuit	500Vdc + 500Vdc		
MPPT Voltage Range	125~425Vdc		
MAINS / GENERATOR INPUT			
Input Voltage Range	170~280Vac		√
Frequency Range	50/60Hz		
Bypass Overload Current	32A		
GENERAL			
Dimensions	620*445*130mm		
Weight	27kg		
Protection Degree	IP20, Indoor Only		
Operating Temperature Range	-15~55°C,>45°C derated		
Noise	<60dB		
Cooling Method	Internal Fan		

US voltage

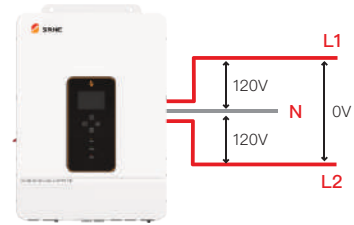
MODEL	ASF4880U180-H	ASF48100U200-H	CAN BE SET
INVERTER OUTPUT			
Rated Output Power	8,000W	10,000W	
Max.Peak Power	16,000W	20,000W	
Rated Output Voltage	120Vac (single phase) / 240Vac (split phase)		√
Load Capacity of Motors	5HP	6HP	
Rated AC Frequency	50/60Hz		√
BATTERY			
Battery Type	Li-ion / Lead-Acid / User Defined		√
Rated Battery Voltage	48Vdc		
Voltage Range	40~60Vdc		√
Max.MPPT Charging Current	200A		√
Max.Mains/Generator Charging Current	100A	120A	√
Max.Hybrid Charging Current	180A	200A	√
PV INPUT			
Num. of MPP 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	620*445*130mm (2*1.46*0.4ft)		
Weight	27kg (59.5lb)		
Protection Degree	IP20, Indoor Only		
Operating Temperature Range	-15~55°C, >45°C derated (5~131°F, >113°F derated)		
Noise	<60dB		
Cooling Method	Internal Fan		

EU voltage model

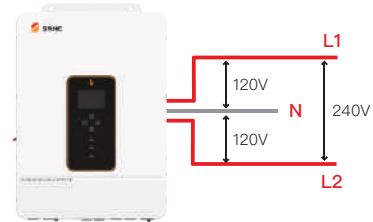


Single phase output

US voltage model



Single phase output



Split phase output

Users can switch between two output modes

HES series

HES4840S100-H

HES4850S100-H

HES4860S100-H

- IP65 protection grade for outdoor use
- Time-slot charging & discharging for peak and valley price
- Support self-use/hybrid/on-grid output mode
- Support BMS communication



MODEL	HES4840S100-H	HES4850S100-H	HES4860S100-H	CAN BE SET
INVERTER OUTPUT				
Rated Output Power	4,000W	5,000W	6,000W	
Max.Peak Power	8,000VA	10,000VA	12,000VA	
Rated Output Voltage	230Vac (single phase)			√
Load Capacity of Motors	4HP			
Rated AC Frequency	50/60Hz			
BATTERY				
Battery Type	Lead-acid / Li-ion / User Defined			√
Rated Battery Voltage	48V			
Max.MPPT Charging Current	100A			√
Max.Mains/Generator Charging Current	60A			√
Max.Hybrid Charging Current	100A			√
PV INPUT				
Num. of MPPT Trackers	1			
Max.PV Array Power	4,500W	5,500W	6,600W	
Max.Input Current	22A			
Max.Voltage of Open Circuit	500Vdc			
MAINS/GENERATOR INPUT				
Input Voltage Range	170~280Vac			√
Frequency Range	50/60Hz			
Bypass Overload Current	40A			
GENERAL				
Dimensions	556*345*182mm			
Weight	19.2kg			
Protection Degree	IP65			
Operating Temperature Range	-25~55°C,>45°C derated			
Humidity	0~100%			
Cooling Method	Internal Fan			

HESP series

HESP4850S100-H

HESP4860S100-H

- IP65 protection grade for outdoor use
- Up to 6 units in parallel for 36kW
- Single phase / split phase / three phase outputs available
- Time-slot charging & discharging for peak and valley price
- Support self-use/hybrid/on-grid output mode
- Support BMS communication



MODEL	HES4855S100-H	CAN BE SET
INVERTER OUTPUT		
Rated Output Power	5,500W	
Max.Peak Power	11,000W	
Rated Output Voltage	230Vac (single phase)	√
Load Capacity of Motors	4HP	
Rated AC Frequency	50/60Hz	√
Parallel Capacity	1~6 units	
BATTERY		
Battery Type	Lead-acid / Li-ion / User Defined	√
Rated Battery Voltage	48V	
Max.MPPT Charging Current	100A	√
Max.Mains/Generator Charging Current	60A	√
Max.Hybrid Charging Current	100A	√
PV INPUT		
Num. of MPPT Trackers	1	
Max.PV Array Power	6,000W	
Max.Input Current	22A	
Max.Voltage of Open Circuit	500Vdc	
MAINS/GENERATOR INPUT		
Input Voltage Range	UPS mode: 170~280Vac; APL mode: 90~280Vac	√
Frequency Range	50/60Hz	
Bypass Overload Current	40A	
GENERAL		
Dimensions	556*345*182mm	
Weight	20kg	
Protection Degree	IP65	
Operating Temperature Range	-25~55°C, >45°C derated	
Humidity	0~100%	
Cooling Method	Internal Fan	

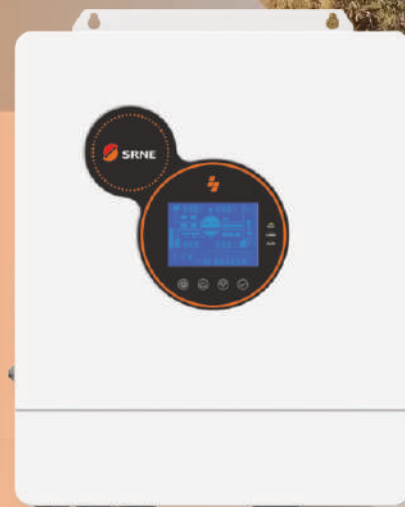


HYP series

HYP4850S100-H

HYP4850U100-H

- Up to 6 units in parallel for 30kW
- Time-slot charging & discharging for peak and valley price
- Support self-use/hybrid output mode
- Single phase / split phase / three phase outputs available
- Support BMS communication



MODEL	HYP4850S80-H	CAN BE SET
INVERTER OUTPUT		
Rated Output Power	5,000W	
Max.Peak Power	10,000VA	
Rated Output Voltage	230Vac (single phase/three phase)	√
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	60A	√
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	170~280Vac	√
Frequency Range	50Hz/60Hz	
Bypass Overload Current	40A	
GENERAL		
Dimensions	446.9*350*133mm (1.46*1.14*0.43ft)	
Weight	13kg	
Protection Degree	IP20, Indor Only	
Noise	<60dB	
Cooling Method	Internal Fan	

MODEL	HYP4850U80-H	CAN BE SET
INVERTER OUTPUT		
Rated Output Power	5,000W	
Max.Peak Power	10,000VA	
Rated Output Voltage	120Vac (single phase/split phase/three phase)	√
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	
Weight	13kg	
Protection Degree	IP20, Indor Only	
Noise	<60dB	
Cooling Method	Internal Fan	

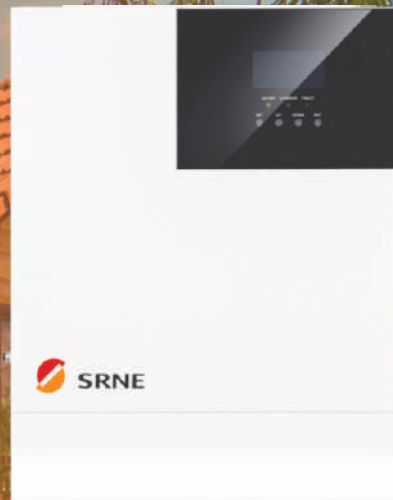


HFP series

HFP4850S80-H

HFP4835U80-145

HFP4850S80-145



- Up to 6 units in parallel for 30kW
- Suitable for off-grid applications
- Single phase / split phase / three phase outputs available
- Multiple charge and discharge modes are available
- Support BMS communication

MODEL	HFP4850S80-H	HFP4850S80-145	CAN BE SET
INVERTER OUTPUT			
Rated Output Power		5,000W	
Max.Peak Power		10,000VA	
Rated Output Voltage		230Vac (single phase/three phase)	√
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		80A	√
Max.Mains/Generator Charging Current		60A	√
Max.Hybrid Charging Current	80A		140A
PV INPUT			
Num. of MPPT Trackers		1	
Max.PV Array Power	5,500W		4,400W
Max.Input Current	22A		50A
Max.Voltage of Open Circuit	500Vdc		145Vdc
MAINS/GENERATOR INPUT			
Input Voltage Range		170~280Vac	√
Frequency Range		50Hz/60Hz	
Bypass Overload Current		40A	
GENERAL			
Dimensions		426*322*124mm (1.4*1*0.4ft)	
Weight		10.8kg	
Protection Degree		IP20, Indor Only	
Operating Temperature Range	-10°C~55°C		-15°C~55°C
Noise		<60dB	
Cooling Method		Internal Fan	

MODEL	HFP4835U80-145	CAN BE SET
INVERTER OUTPUT		
Rated Output Power	3,500W	
Max.Peak Power	6,000VA	
Rated Output Voltage	120Vac (single phase/split phase/three phase)	√
Load Capacity of Motors	2HP	
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	80A	√
Max.Mains/Generator Charging Current	40A	√
Max.Hybrid Charging Current	120A	√
PV INPUT		
Num. of MPPT Trackers	1	
Max.PV Array Power	4400W	
Max.Input Current	50A	
Max.Voltage of Open Circuit	145Vdc	
MAINS/GENERATOR INPUT		
Input Voltage Range	90-140Vac	√
Frequency Range	50Hz/60Hz	
Bypass Overload Current	40A	
GENERAL		
Dimensions	426*322*124mm (1.4*1*0.4ft)	
Weight	10.8kg (23.8lb)	
Protection Degree	IP20, Indor Only	
Noise	<60dB	
Cooling Method	Internal Fan	

HTP series

HTP4850S80-H

- Up to 6 units in parallel for 30kW
- Suitable for off-grid applications
- Single phase / split phase / three phase outputs available
- Rackmount design for easy integration
- Support BMS communication



MODEL	HTP4850S80-H	CAN BE SET
INVERTER OUTPUT		
Rated Output Power	5,000W	
Max.Peak Power	10,000VA	
Rated Output Voltage	230Vac (single phase/three phase)	√
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	80A	√
Max.Mains/Generator Charging Current	60A	√
Max.Hybrid Charging Current	80A	√
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	170~280Vac	√
Frequency Range	50Hz/60Hz	
Bypass Overload Current	40A	
GENERAL		
Dimensions	482*425*133mm	
Weight	14kg	
Protection Degree	IP20, Indor Only	
Operating Temperature Range	-10°C~55°C	
Noise	<60dB	
Cooling Method	Internal Fan	



SRNE

HF series

-High PV Voltage

HF4850S80-H

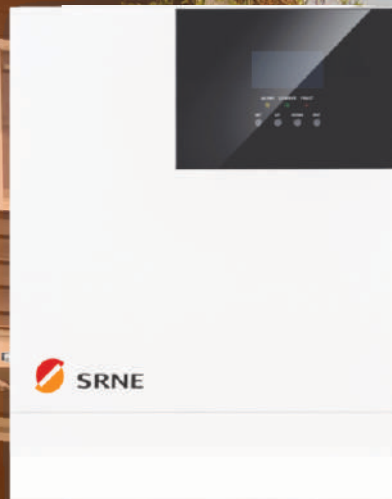
HF4850U80-H

HF2430S80-H

HF4835U60-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	HF4850S80-H	HF2430S80-H	CAN BE SET
INVERTER OUTPUT			
Rated Output Power	5,000W	3,300W	
Max.Peak Power	10,000VA	6,000VA	
Rated Output Voltage	230Vac (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	√
Max.Mains/Generator Charging Current	60A	80A	√
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	170~280Vac		√
Frequency Range	50Hz/60Hz		
Bypass Overload Current	40A	30A	
GENERAL			
Dimensions	426*322*126mm	378*280*103mm	
Weight	10.9kg	6.9kg	
Protection Degree	IP20, Indor Only		
Operating Temperature Range	-15°C~55°C	-10°C~55°C	
Noise	<60dB		
Cooling Method	Internal Fan		

US voltage

MODEL	HF4850U80-H	HF4835U60-H	HF2430U80-H	CAN BE SET
INVERTER OUTPUT				
Rated Output Power	5,000W	3,500W	3,000W	
Max.Peak Power	10,000VA	7,000VA	6,000VA	
Rated Output Voltage		120Vac (single phase)		√
Load Capacity of Motors	4HP	2HP	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	60A	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	4,400W	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	30A	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°C~55°C (5°F~55°F)		
Noise		<60dB		
Cooling Method		Internal Fan		

HF series

-High PV Voltage

HF4850S80-145

HF4830S60-145

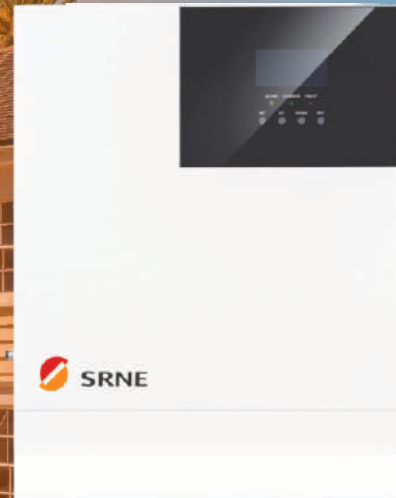
HF2430S60-100

HF4835U80-145

HF4835U60-145

HF2430U60-100

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



MODEL	HF4850S80-145	HF4830S60-145	HF2430S60-100	CAN BE SET
INVERTER OUTPUT				
Rated Output Power	5,000W	3,000W	3,000W	
Max.Peak Power	10,000VA	6,000VA	6,000VA	
Rated Output Voltage	230Vac (single phase)			√
Load Capacity of Motors	4HP	2HP	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	60A		√
Max.Mains/Generator Charging Current	60A		80A	√
Max.Hybrid Charging Current	140A	120A	140A	√
PV INPUT				
Num. of MPPT Trackers	1			
Max.PV Array Power	4,400W	3,400W	1,600W	
Max.Input Current	50A	40A		
Max.Voltage of Open Circuit	145Vdc		100Vdc	
MAINS/GENERATOR INPUT				
Input Voltage Range	170~280Vac			√
Frequency Range	50Hz/60Hz			
Bypass Overload Current	40A	30A		
GENERAL				
Dimensions	426*322*124mm	378*280*103mm		
Weight	10.8kg	6.2kg		
Protection Degree	IP20, Indor Only			
Operating Temperature Range	-15°C~55°C			
Noise	<60dB			
Cooling Method	Internal Fan			

US voltage

MODEL	HF4835U80-145	HF4830U60-145	HF2430U60-100	CAN BE SET
INVERTER OUTPUT				
Rated Output Power	3,500W	3,000W	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		48Vdc	24Vdc	
Max.MPPT Charging Current	80A		60A	√
Max.Mains/Generator Charging Current		40A		√
Max.Hybrid Charging Current	120A		100A	√
PV INPUT				
Num. of MPPT Trackers		1		
Max.PV Array Power	4,400W	3,400W	1,600W	
Max.Input Current	50A		40A	
Max.Voltage of Open Circuit		145Vdc	100Vdc	
MAINS/GENERATOR INPUT				
Input Voltage Range		90~140Vac		
Frequency Range		50Hz/60Hz		
Bypass Overload Current		40A		
GENERAL				
Dimensions	426*322*124mm (1.3*1*0.4ft)	378*280*103mm (1.2*0.9*0.3ft)		
Weight	10.8kg (23.8lb)	6.2kg (13.6lb)	6.8kg (14.9lb)	
Protection Degree		IP20, Indor Only		
Operating Temperature Range		-15°C~55°C (5°F~55°F)		
Noise		<60dB		
Cooling Method		Internal Fan		

@SRNE solar



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