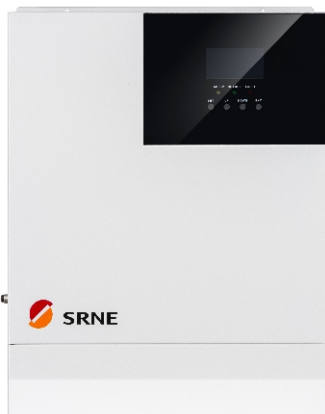


All-in-one Solar Charge Inverter

HFP48V parallel connection Series(Max.Voc : 145V ; Rated input voltage : 220/230V)

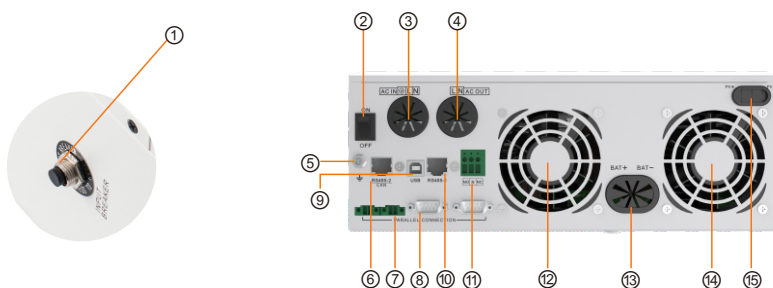
HFP48V parallel connection Series(Max.Voc : 145V ; Rated input voltage : 110/120V)



Performance characteristics

- Load friendly: Stable sine wave AC output via SPWM modulation
- Supports a wide range of battery technology: GEL, AGM, Flooded, LFP, and program.
- Dual LFP battery activation method: PV&mains
- Uninterrupted power supply: simultaneous connection to utility grid/generator and PV
- Intelligent programming: the priority of the output from different energy sources can be set
- High energy efficiency: up to 99.9% MPPT capture efficiency
- Instant viewing of operation: the LCD panel displays data and settings ,while you can also be viewed using the app and webpage
- Power saving: power saving mode automatically reduces power consumption at zero-load
- Efficient heat dissipation: via intelligent adjustable speed fans
- Multiple safety protection functions: short circuit protection, overload protection, reverse polarity protection, and so on.
- under-voltage and over-voltage protection and reverse polarity protection.
- Supports up to 6 devices of the same model connected in parallel (forming a single-phase,split-phase,three-phase electrical system)

Product characteristics



①	Overload Protector	⑩	RS485-1 Communication Port
②	ON/OFF Rocker Switch	⑪	Dry Contact Port
③	AC Input Port	⑫	Cooling Fan
④	AC Output Port	⑬	Battery Port
⑤	Grounding Screw Hole	⑭	Cooling Fan
⑥	RS485-2 Communication Port (For BUS)	⑮	PV Port
⑦	Current Sharing Port (only apply to parallel modules)	⑯	Light Touch Button
⑧	Communication Port (only apply to parallel modules)	⑰	Indicator Light
⑨	USB Communication Port	⑱	LCD Screen



Parameters

Model	HFP4850S80-145		HFP4835U80-145	Adjustable
Battery Input				
Battery type	Sealed, Flood, GEL, LFP, Ternary			✓
Rated Battery Input Voltage	48V (Minimum Startup Voltage 44V)			
Hybrid Charging Maximum Charging Current	140A	120A		✓
Battery Voltage Range	40Vdc~60Vdc ± 0.6Vdc(Undervoltage Warning/Shutdown Voltage/Overvoltage Warning/Overvoltage Recovery...)			✓
Solar Input				
Maximum PV Open-circuit Voltage	145vdc			
PV Working Voltage Range	60-145Vdc			
MPPT Voltage Range	60-115Vdc			
Maximum PV Input Current	50A			
Maximum PV Input Power	4400W			
Maximum PV Charging Current	80A			✓
AC Input(generator/grid)				
Mains Maximum Charging Current	60A	40A		✓
Rated Input Voltage	220/230Vac		110/120Vac	
Input Voltage Range	UPS Mains Mode:(170Vac~280Vac)±2% APL Generator Mode:(90Vac~280Vac)±2%		(90Vac-140Vac)±2%	✓
Frequency	50Hz/ 60Hz (Automatic Detection)			
Mains Charging Efficiency	>95%			
Switch Time (bypass and inverter)	10ms(Typical Value)			
Maximum Bypass Overload Current	40A			
AC Output				
Output Voltage Waveform	Pure Sine Wave			
Rated Output Voltage (Vac)	230Vac (200/208/220/240Vac)		120Vac (100/105/110Vac)	✓
Rated Output Power (VA)	5000 (4350/4500/4750/5000)		3500 (2900/3050/3200)	
Rated Output Power(W)	5000 (4350/4500/4750/5000)		3500 (2900/3050/3200)	
Peak Power	10000VA		6000VA	
On-load Motor Capacity	4HP		2HP	
Output Frequency Range(Hz)	50Hz±0.3Hz/60Hz±0.3Hz			✓
Maximum Efficiency	>92%		>91%	
No-load Loss	Non Energy-saving Mode: ≤50W Energy-saving Mode : ≤25W (Manual Setup)			
General				
Number of parallel/split phases	1-6PCS			
Certificate	CE(IEC 62109-1)	CE(IEC 62109-1)/ CETL(UL 1741/ CSA C22.2 NO.107.1)		
EMC Certification Level	EN61000, C2			
Working Temperature Range	-15°C ~ 55°C			
Storage Temperature Range	-25°C ~ 60°C			
Humidity Range	5% to 95%(Conformal Coating Protection)			
Dimensions	426mm*322mm*124mm			
Weight (KG)	10.8			



Android version:
WeChat, browser, scan the QR code to download the APP



iOS version:
WeChat, browser, scan the QR code to download the APP