



SRNE

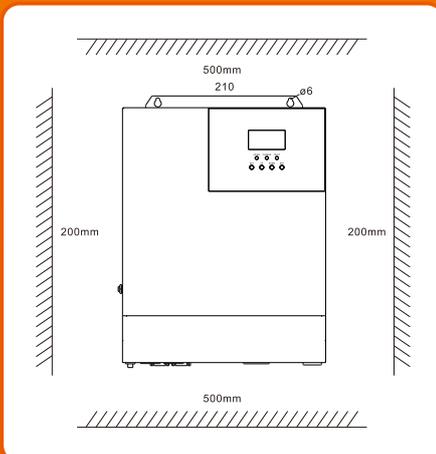


HF Series **SR-HF4850S80-H** All-in-one solar charge inverter

- Full digital voltage and current closed-loop control, advanced SPWM technology, output pure sine wave.
- Two output modes: mains bypass and inverter output; uninterrupted power supply.
- Available in 4 charging modes: Only Solar, Mains Priority, Solar Priority and Mains & Solar hybrid charging.
- Advanced MPPT technology with an efficiency of 99.9%.
- LCD screen design with three LED indicator lights, dynamic display of system data and operating state.
- ON/OFF rocker switch for AC output control.
- Power saving mode available to reduce no-load loss.
- Intelligent variable speed fan to efficiently dissipate heat and extend system life.
- Lithium battery activation design, allowing access of lead-acid battery and lithium battery.
- 360 ° all-round protection with a number of protection functions. Such as overload, short circuit, over current and reverse charge.

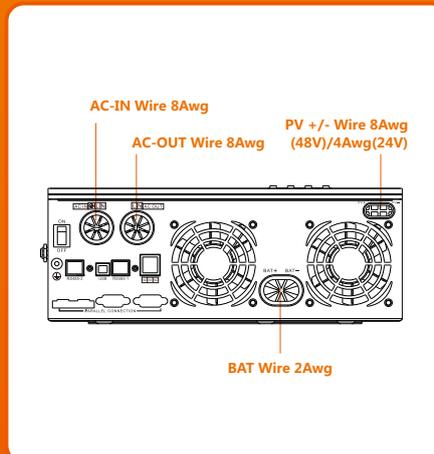
Installation Steps >>>

STEP ①



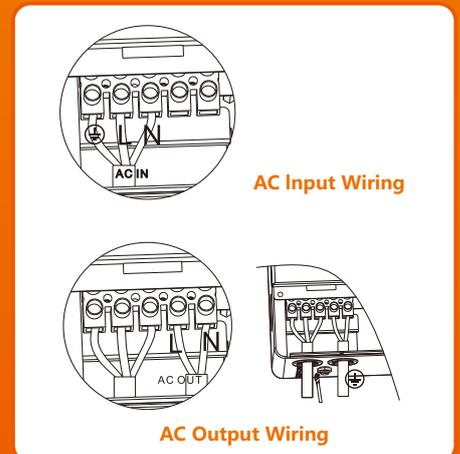
Install expansion bolts on the wall. The screw type is M5 and the distance between the two screws is 210mm.

STEP ②



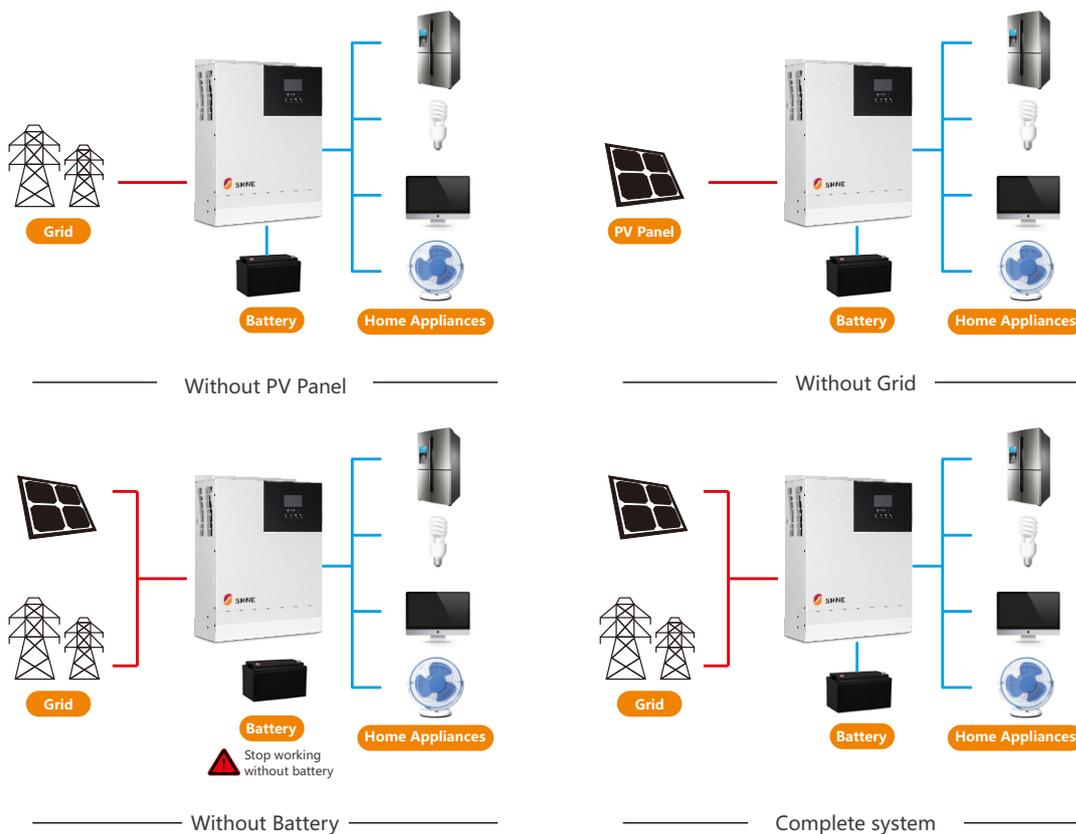
Use wire models according to picture requirements

STEP ③



Connection diagram of AC ground wire
 ⊕ : Ground L: Live N: Neutral

Classic working mode



Parameter	HF4850S80-H	
AC mode	Rated input voltage	220/230Vac
	Input voltage range	(170Vac~280Vac) ±2% (90Vac-280Vac) ±2%
	Maximum bypass overload current	40A
Inverter mode	Output voltage waveform	Pure sine wave
	Rated output power (VA)	5000 (4350/4500/4800/5000)
	Rated output power (W)	5000 (4350/4500/4800/5000)
	Power factor	1
	Rated output voltage (Vac)	230Vac (200/208/220/240Vac settable)
	Peak power	10000VA
	Loaded motor capability	4HP
	Rated battery input voltage	48V (Minimum starting voltage 44V)
AC charging	Battery type	Lead acid or lithium battery
	Maximum charge current(can be set)	60A
	Charge voltage range	40Vdc~60Vdc
PV charging	Circuit breaker specifications	40A
	PV operating voltage range	120-500Vdc
	Battery voltage range	40-60Vdc
	Maximum output power	5000W
	PV charging current range (can be set)	0-80A
Best system configuration	Max. generated from solar charger	80Amp, 5000W
	Best Panel configuration	535Wp(VOC 49.35V)*9pcs series connection(4815Wp)
	Lead-acid battery /lithium battery configuration	12V100Ah*4pcs/48V100Ah model
Certified specifications	Certification	CE(IEC62109)、RoHs
	EMC certification level	EN61000
	Communication interface	USB/RS485(WiFi/GPRS)/Dry node control
	Size (L*W*D)	426*322*126mm
	Weight (kg)	10.9