

Solar Energy System

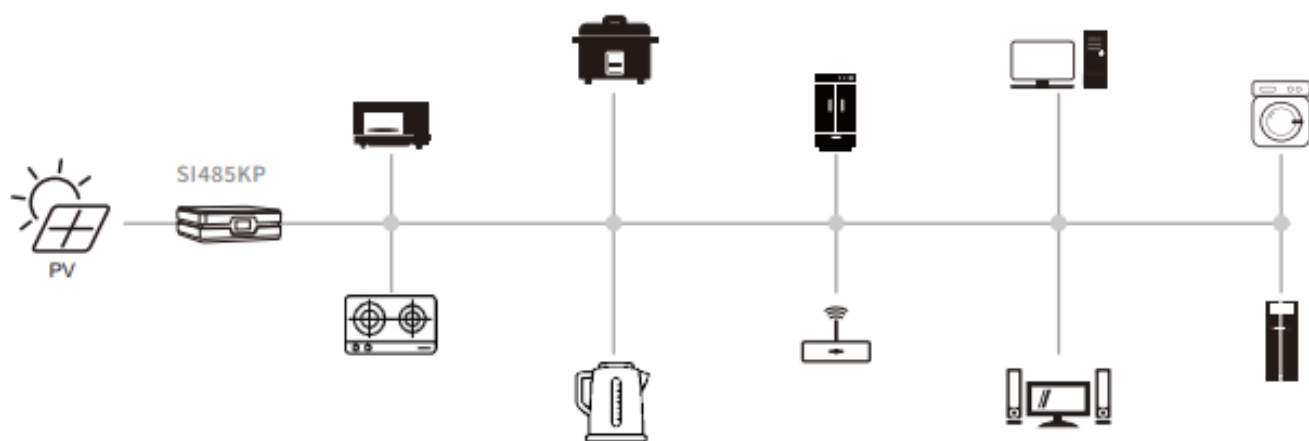
Stackable design

>> Models:

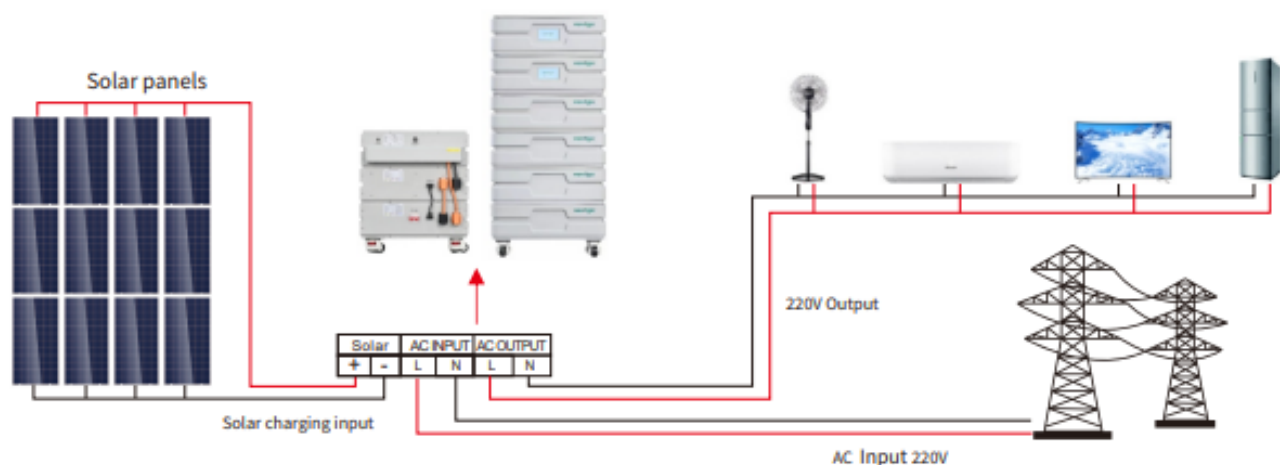
SI485KP



Daily load



Solar system connection



Product Specifications



Model		SI485KP
Parallel Connect	Max Parallel Connection Allowed	9 (Recommended number of parallel machines is less than 6)
Utility Mode	Input Voltage	170~280Vac
	Frequency	40~70Hz, Default
	Overload/short circuit protection	The bypass circuit breaker (40 A)
	Maximum efficiency	0.995
	Conversion time(bypass and inverter)	<10mS
	Biggest bypass overload current	40A
Inverter Mode	Output voltage waveform	Pure sine wave
	Rated output power (W)	5000W
	Power factor	1PF
	Rated output voltage (Vac)	208/220/230/240 Vac (Settable) Default 230V
	Output frequency range (Hz)	50.0 / 60.0 Hz (Settable) Default 50 Hz
	Maximum efficiency	>94.5%
	Overload Capacity	1min@102%~110% Load /10s@110%~130% Load/4s@130%~190% Load/200ms@>190% Load
	Battery voltage	48V / 51.2V
Utility Charging	Compatible battery type	Lead-acid/lithium electricity
	Maximum charging current(can be set)	80A
PV/Battery Charging	Type of controller (PV)	MPPT
	Largest PV open circuit voltage	500V
	PV operating voltage range	120-430V
	Largest PV input current	18A
	Largest PV power input	5500W
Biggest mixed charging current (PV+AC)	Solar charging current range (can be set)	2~80A
	The biggest mixed charging current (can be set)	80A
Specifications	Protection functions	Over-voltage and low-voltage protection, overload protection, short-circuit protection and over-temperature protection of lithium batteries
	Working temperature range	-10°C-50°C
	Storage temperature range	-15~60°C
	Humidity range	20%~95% (No condensing)
	Noise Level	≤50db
	Heat dissipation	Forced air cooling
	Display mode	Hurdtuch, Sklin/Ryder optional
	Monitoring method (optional)	WiFi/ 4G
	Product size (L*W*H) mm	559.7*539*186
	Packing size(L*W*H) mm	600*595*245
	Net weight(kg)	14.5kg
	Gross weight(kg)	16.5kg

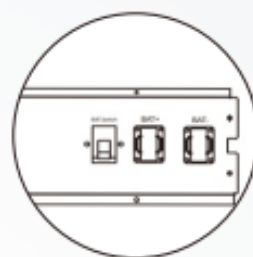
Solar Energy System

Lithium-ion battery modules

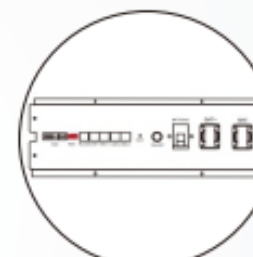
>> Models:

SD-SSL516H

SD-SSL516S

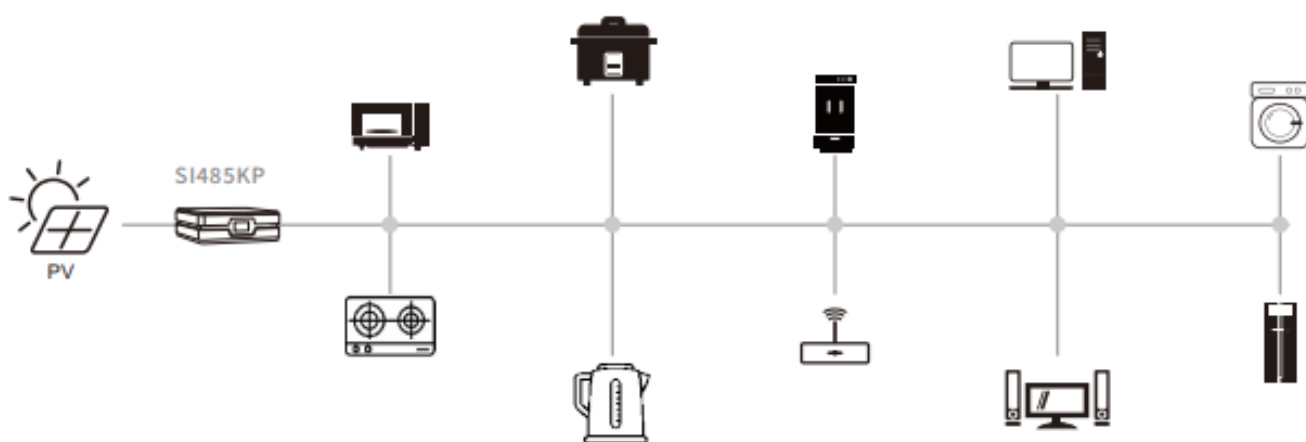


SD-SSL516H

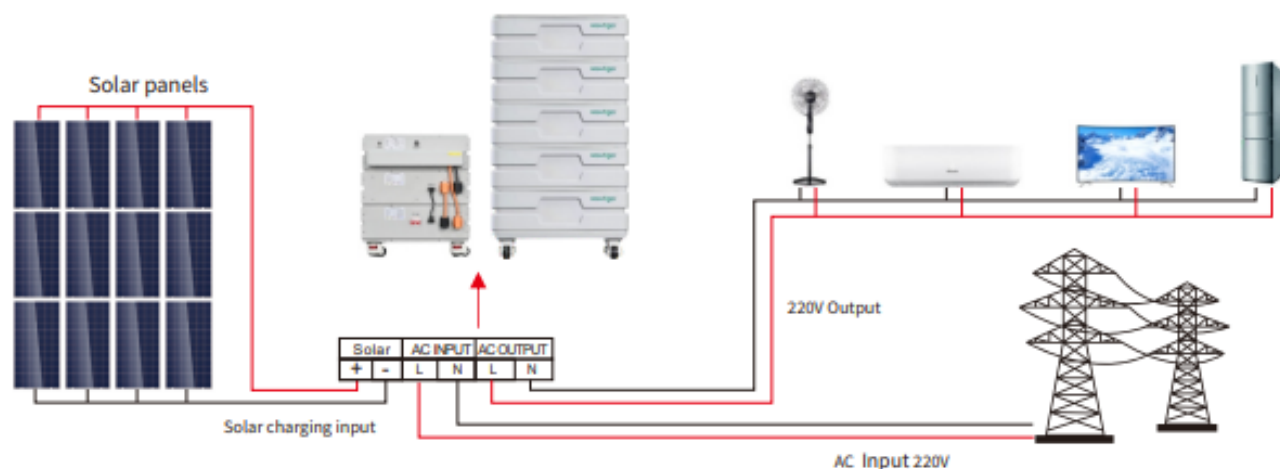


SD-SSL516S
Terminal hole bits

⚡ Daily load



⚡ Solar system connection



Product Specifications



Model	SD-SSL516H	SD-SSL516S
Rated Capacity	6144Wh	6144Wh
Cell Type	LFP Solid-State Battery	LFP Solid-State Battery
Cell Configuration	16S2P	16S2P
Rated Voltage	51.2V	51.2V
Operating Voltage Range	41.6~58.4V	41.6~58.4V
Maximum Continuous Discharge Current	120A/1C	100A/1C
Maximum Number Of Parallel Machines	6	16
Operating Temperature	0~55°C (Charged) -20~55°C (Discharged)	0~55°C (Charged) -20~55°C (Discharged)
Storage Temperature	-20~40°C (≤1 month)/0~35°C (≤1 year)	-20~40°C (≤1 month)/0~35°C (≤1 year)
Humidity	20%~95% (non-condensing)	20%~95% (non-condensing)
Elevation	<2000M	<2000M
Ingress Protection	IP20	IP20
Installation	stack	stack
Product Dimensions	540*518.7*186mm	540*518.7*186mm
Package Size	600*590*255mm	600*590*255mm
Net Weight	45KG	45KG
Gross Weight	50KG	50KG