

Energy Storage Power Supply

1、Product Overview

This portable energy storage power station integrates high-capacity lithium batteries and a pure sine wave inverter. It supports multiple output ports including AC, DC, USB and car charging, capable of powering home appliances, camping gear and outdoor devices. Equipped with fast charging, solar charging and overcharge/overheat protection, it delivers stable, safe off-grid power supply. Compact and easy to carry, it works for home backup power, outdoor travel, emergency rescue and RV use, offering reliable clean energy anywhere without mains electricity.



2、Electrical Parameters

PRODUCT MODEL	SCPW-1A-5K
INVERTER	
Rated output power	5000VA/5000W
AC voltage regulation (battery mode)	230VAC +5%
Peak output power	10000VA
Efficiency (peak)	93%
Waveform	Pure sine wave
Voltage	230VAC
Optional voltage range	170-280VAC(UPS model) 90-280VAC(home appliance mode)
Frequency range	50Hz/60Hz(automatic sensing)
Solar charger type	MPPT
Maximum PV array power	5000W
Maximum PV array current	18A
MPPT operating voltage range	120-430 VDC
Maximum PV array open circuit voltage	450VDC
Maximum solar charging current	80A
Maximum AC charging current	100A
Maximum charging current	80A
BATTERY TYPE	
Battery capacity	5120Wh
Rated voltage	51.2VDC
Fully charged charging voltage (FC)	57.6V
Fully discharged voltage (FD)	42V(Configuration)
Standard capacity	100Ah
Continuous discharge current(max)	150A
Discharge current (max)	200A at 1min
Charging voltage	56V
Charging current	50A
Maximum charging current	100A
Standard charge current	0.5C CC (Constant current) charge to FC. CV(Constant voltage FC) charge till charge current decline to <0.05C
Battery mode inverter power	3.5KW
Product size	525x365x260mm
Product weight	55kg