SPECIFICATION SHEET

Portable Power Station Talos Series

1

PRODUCT PRESENTATION

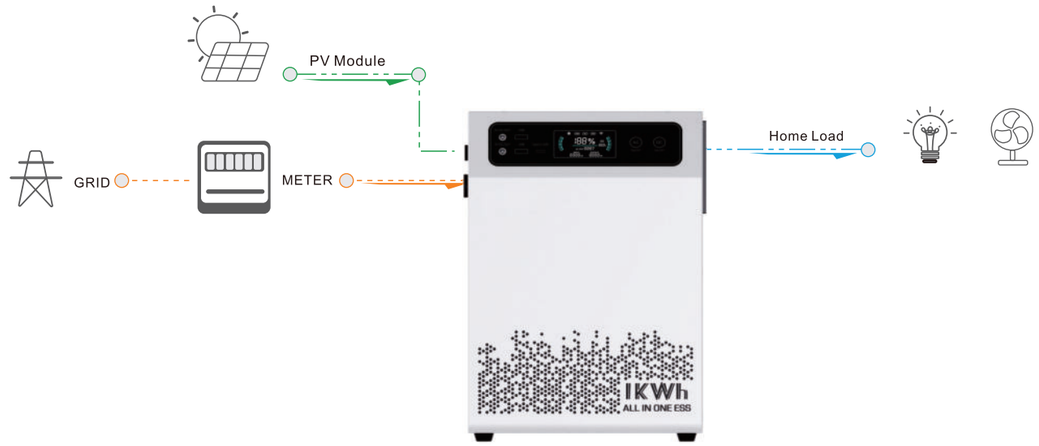
Home ESS refers to the storage of electricity locally by household energy storage equipment for later use. ESS consists of energy storage batteries inverters and other components.

We use brand new A grade LiFePo4 battery,equipped with an intelligent battery management system for charging and discharging cycles.The inverter converts DC energy to AC energy to meet the requirements for household electricity .Normally this product is installed in combination with PV system to provide green electricity to household users, reduce energy consumption, and reduce negative impacts on the environment,it's widely used in remote areas or areas with unstable power supply, to provide reliable, stable, and cost-effective energy supply.



WORKING DIAGRAM

2

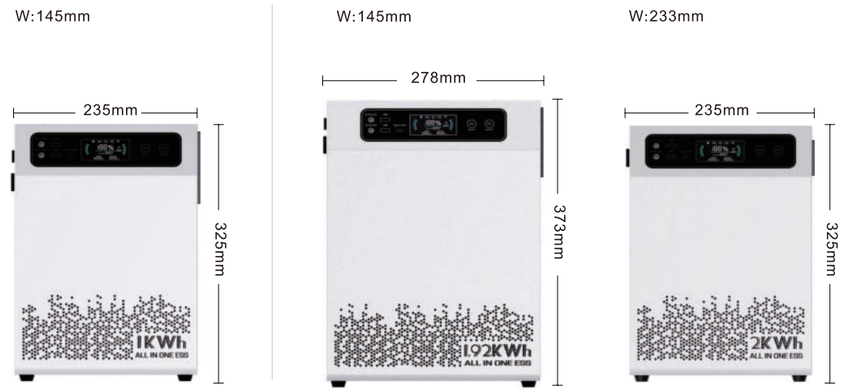


PORTABLE POWER STATION

PRODUCT FEATURES

- Rich plug-and-play output ports: Type-C, universal socket
- Brand new Grade A cells, 8000-cycle life, 95% DOD
- Multiple application scenarios, wall-mountable and portable
- Color LCD screen for intelligent display, clear visibility of operating status
- Stable continuous full-load operation; 2× instantaneous peak power with strong shock resistance
- Built-in Bluetooth and Wi-Fi for network access; APP intelligent management, Wi-Fi remote control for shutdown or output activation

PRODUCT DIMENSION

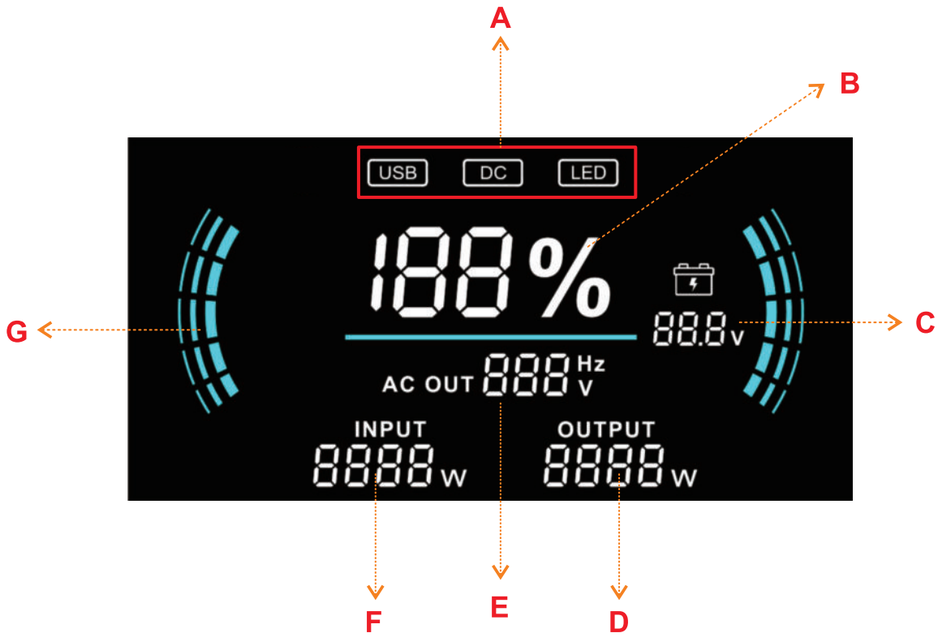


SCTL-500W-1000Wh

SCTL-500W-1920Wh

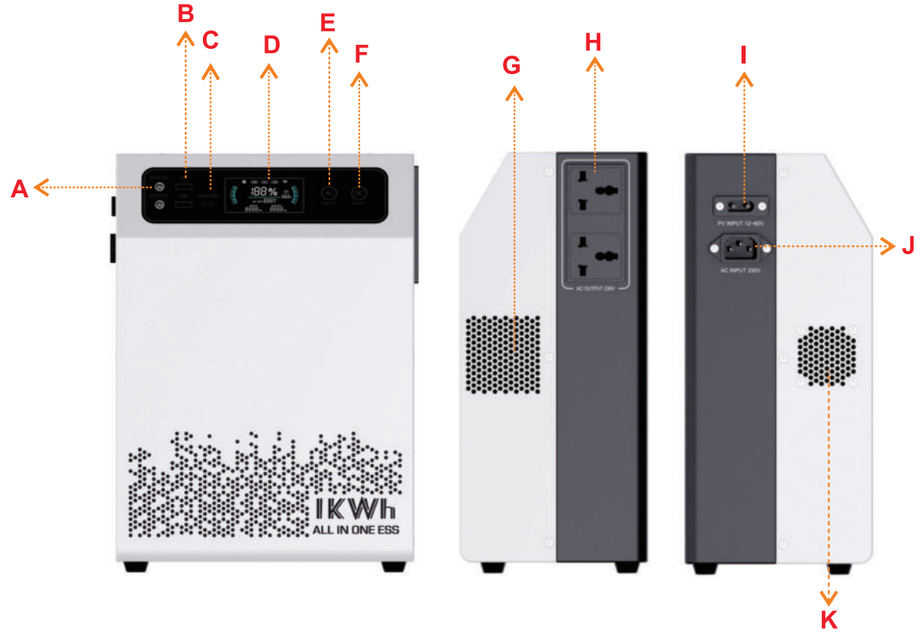
SCTL-1200W-2000Wh

SCREEN DISPLAY FUNCTIONS



NO.	Illustration of Device Ports & Buttons: Explanation
A	DC Output Display
B	SOC Display
C	Battery Voltage
D	AC Output Voltage/Frequency; in the event of a fault, a fault code will be displayed
E	Output Power
F	Input Power
G	Charging Dynamic Indication

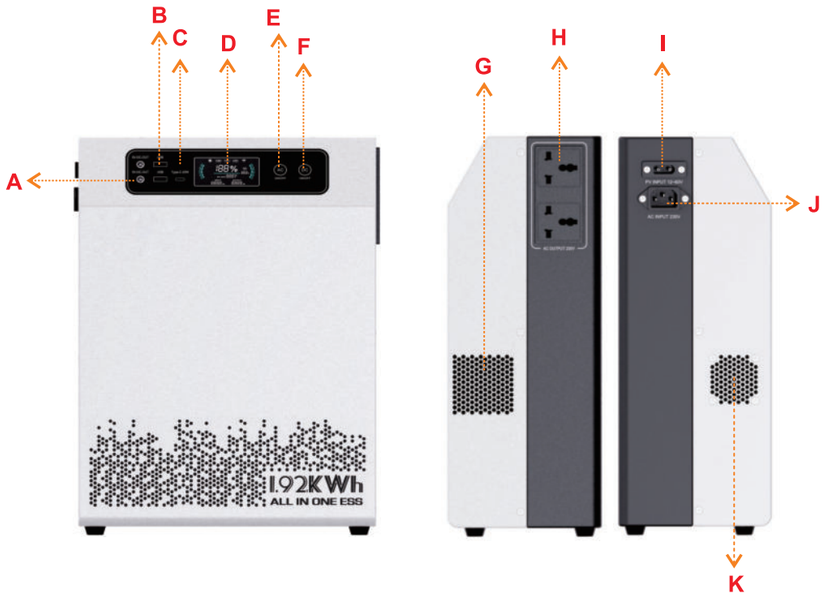
OPERATION FUNCTION (1KWH)



SCTL-500W-1000Wh

NO.	Illustration of Device Ports & Buttons: Explanation
A	5V DC OUT
B	USB
C	TYPE-C
D	LCD Screen
E	AC OUT Switch/Power Button
F	DC OUT Switch
G	Air Intake
H	AC OUT
I	PV IN
J	AC IN
K	Air Outlet

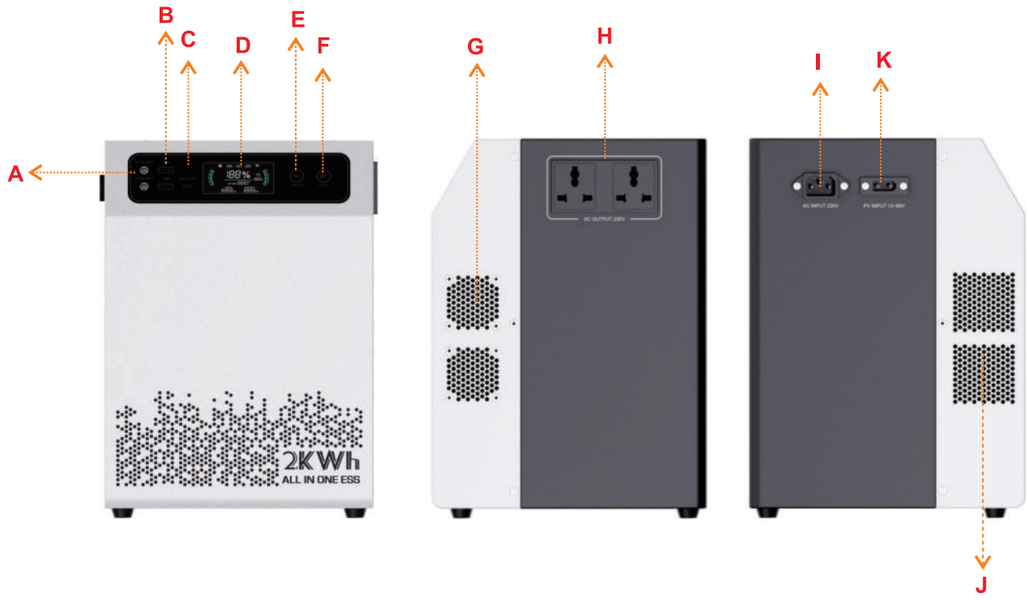
OPERATION FUNCTION
(1.92KWH)



SCTL-500W-1920Wh

NO.	Illustration of Device Ports & Buttons: Explanation
A	5V DC OUT
B	USB
C	TYPE-C
D	LCD Screen
E	AC OUT Switch/Power Button
F	DC OUT Switch
G	Air Intake
H	AC OUT
I	PV IN
J	AC IN
K	Air Outlet

OPERATION FUNCTION
(2KWH)



SCTL-1200W-2000Wh

NO.	Illustration of Device Ports & Buttons: Explanation
A	5V DC OUT
B	USB
C	TYPE-C
D	LCD Screen
E	AC OUT Switch/Power Button
F	DC OUT Switch
G	Air Outlet
H	AC OUT
I	PV IN
J	Air Intake
K	AC IN

PRODUCT PARAMETER

AC Output

Model	SCTL-500W-1000Wh	SCTL-500W-1920Wh	SCTL-1200W-2000Wh
Rated Power	500VA/500W	500VA/500W	1200VA/1200W
AC Rated Voltage	230VAC	230VAC	230VAC
Output Voltage	220~240VAC	220~240VAC	220~240VAC
Rated Frequency	50/60Hz	50/60Hz	50/60Hz
Efficiency	≥92%	≥92%	≥94%
Waveform	Standard Pure Sine Ware		

AC Input

Nominal Voltage	230VAC	230VAC	230VAC
Voltage Range	90-280VAC	90-280VAC	90-280VAC
Rated Frequency	50Hz	50Hz	50Hz
Frequency Range	45-65Hz	45-65Hz	45-65Hz
Maximum Charing Power	500W	500W	1200W
Nominal Input Current	5A	5A	10A
Battery Maximum Charging Current	160A	160A	190A

DC Output

DC Output	DC5V 2PCS	DC5V 2PCS	DC5V 2PCS
USB Output	USB 2PCS	USB 2PCS	USB 2PCS
Type-C Output	Type-C 1PCS	Type-C 1PCS	Type-C 1PCS

PV Input

Max Voltage	60V	60V	60V
Voltage Range	12-60VDC	12-60VDC	12-60VDC
Max Power	18A/500W	18A/500W	20A/600W

Battery

Rated Capacity	1005Wh(314Ah)	1920Wh(600Ah)	2010Wh(314Ah)
Nominal Voltage	3.2V	3.2V	6.4V
Discharge Voltage Range	2.5V-3.65V	2.5V-3.65V	5V-7.3V
Standard Charing Current	80A	80A	100A
Max Charging Current	160A	160A	190A
Max Discharging Current	160A	160A	190A
Depth of Discharge	95%	95%	95%
Cycle Life	>8000, 25±2℃, 0.5C, EOL80%		
Protection Rating	IP20		
Working Temperature Range	Charge:0℃-50℃; Discharge:-20℃-60℃		
Storage Temperature	-20℃-60℃		
Gross Weight	10kg	16kg	17.3kg
Dimension	235*325*145mm	278*373*145mm	235*325*333mm

Packing List & Transportation
Packing Details



Portable Power Station ×1



AC Power Cord ×1



Hook ×1 Screw Pack ×1



XT90 Terminal ×1



Product Manual ×1

Item No	Name	CNT	Carton Size	N.W (Kg)	G.W (Kg)	Unit CBM (m^3)	Total CBM (m^3)
SCTL-500W-1000Wh	Inverter+Battery	1	39.5x30.5x21.5CM	10	11.5	0.026	0.026
SCTL-500W-1920Wh	Inverter+Battery	1	44.5x35x21.5CM	15	16	0.033	0.033
SCTL-1200W-2000Wh	Inverter+Battery	1	39.5x30x27.5CM	17.3	19	0.032	0.032