

PORTABLE MOBILE ENERGY STORAGE

1000Wh/3.2V

ESSLP-01F-01K



PRODUCT APPLICATIONS (ESSLP-01F-01K)



Product features



≥8000 cycles



Various charging methods

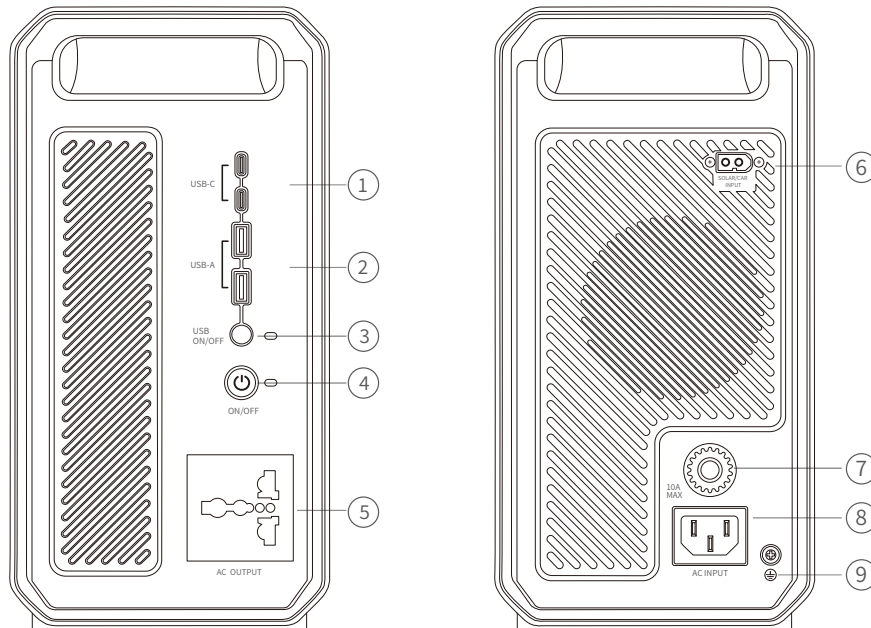


High security



Lightweight and portable

Product panel function introduction

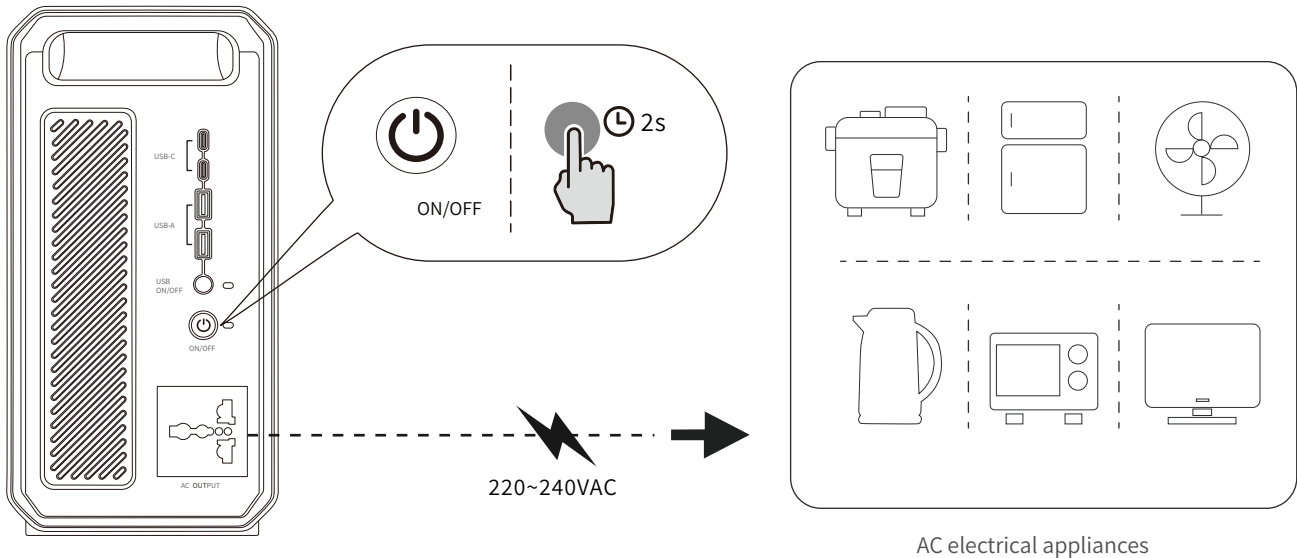


Project	Function description	Project	Function description
1	USB-C output	6	PV and vehicle charging input ports
2	USB-A output	7	AC breaker
3	USB power switch	8	AC input
4	SW power switch	9	Ground terminal port
5	AC output		

PRODUCT USAGE INSTRUCTIONS

◆ How to turn on the machine and use electrical appliances properly

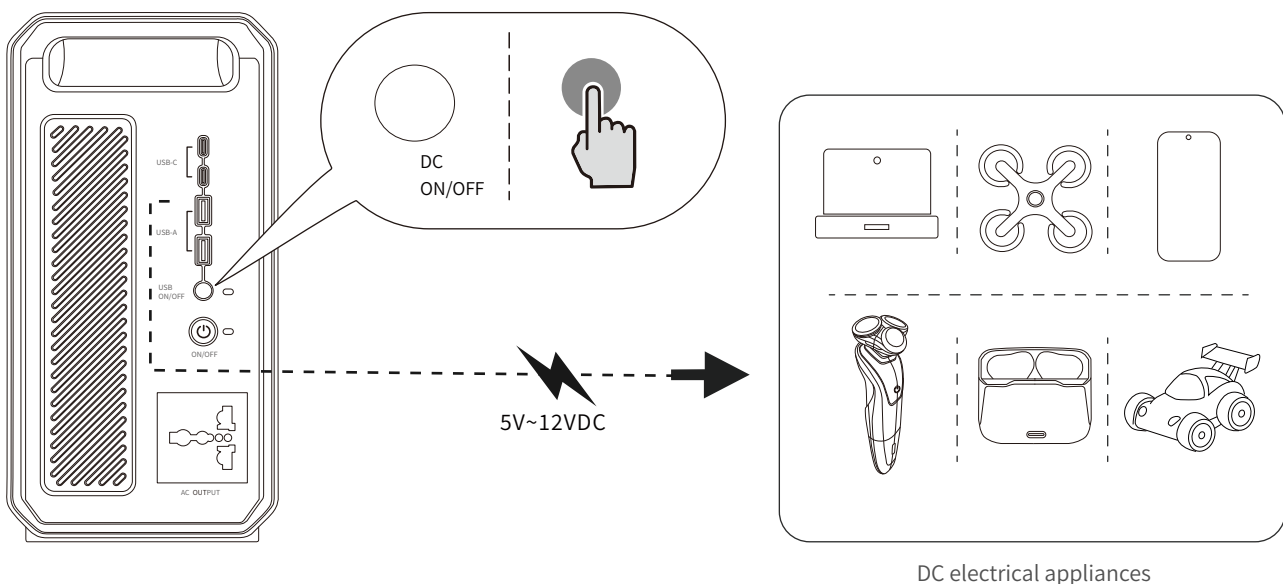
1. Press and hold the ON/OFF button, and the host will power on. The screen will display the current battery voltage, power level and other information.
2. After the host is turned on, the AC output socket will provide 220V alternating current. The LCD display will show the AC output voltage. Connect a suitable electrical appliance and it can be used normally. As shown in the following picture:



After powering on, if the DC switch is not turned on within 1 minute, the panel will automatically enter sleep mode to save energy.

◆ Start the DC power supply

1. Press the "DC ON/OFF" key for the DC power supply. Then, the DC output port will provide DC power, and the LCD display will show information such as the dc output voltage and power.
2. After starting the DC power supply, the DC output port will provide DC power. The LCD display will show the DC output voltage. Connect the appropriate electrical appliance and it can be used normally. As shown in the following picture:



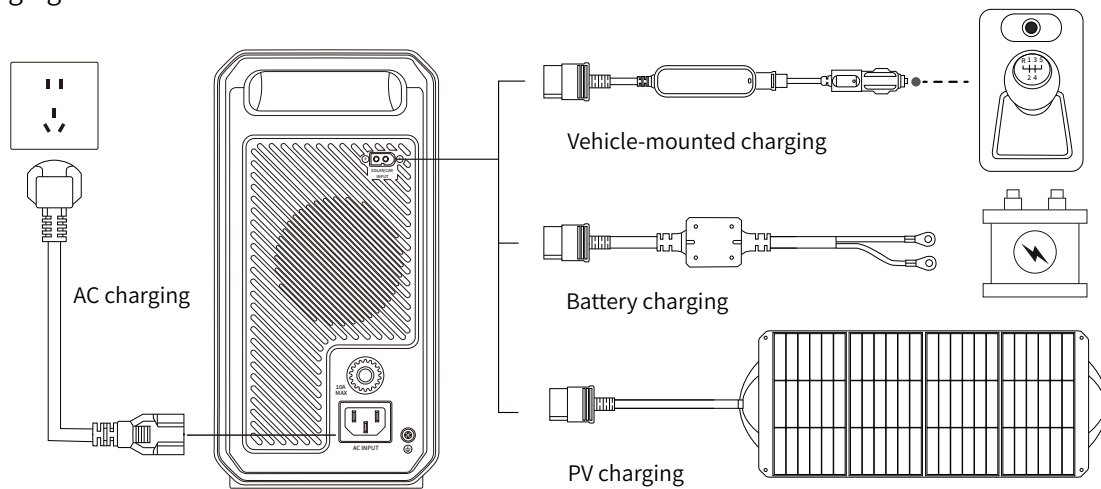
PRODUCT USAGE INSTRUCTIONS

◆ AC charging

By connecting to a 220V AC power supply through the AC power cord, the internal battery of the device can be charged. During the charging process, the battery level indicator on the LCD display will cycle and flash, and the battery voltage will be displayed in real time. Once fully charged, the charging process will automatically stop.

◆ PV / Cars / Battery charging

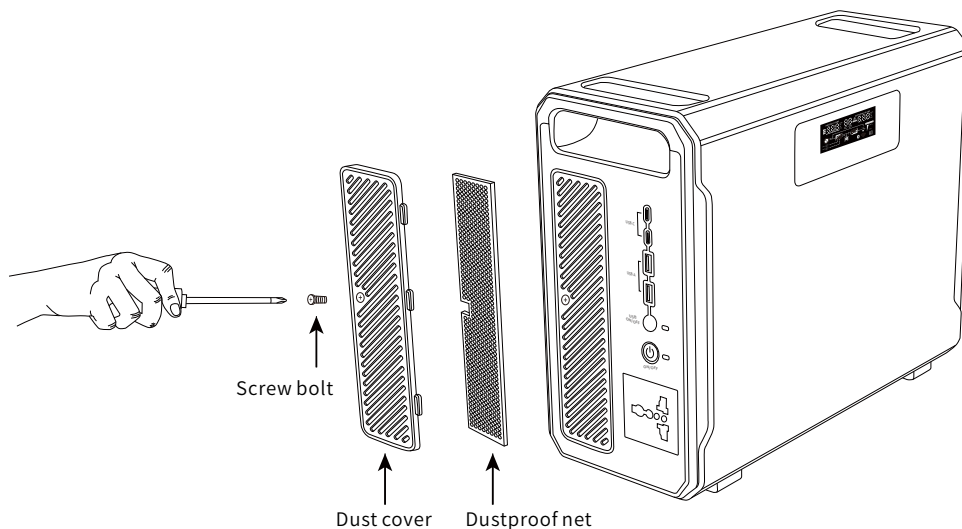
The PV IN (XT60) interface can be properly connected to solar panels, car cigarette lighters, various batteries, etc., to charge the internal battery. During charging, the battery level bar on the LCD screen will fluctuate dynamically, and the battery voltage will be displayed in real time. Once fully charged, charging will stop automatically. This device supports solar panels with a voltage range of 15-50V, and its maximum charging current is 10A.



◆ How to clean a dust filter

1. Turn off the power and make sure the following steps are performed with the power off.
2. At the air outlet, there is a screw. Remove the screw and take out the dust cover and dust filter.
3. Clean the dust filter. If cleaning with water, please dry it off or blow it dry.

Make sure there is no moisture before installing.



OPTIONAL PLAN

◆ Color options



Orange



Green



Blue

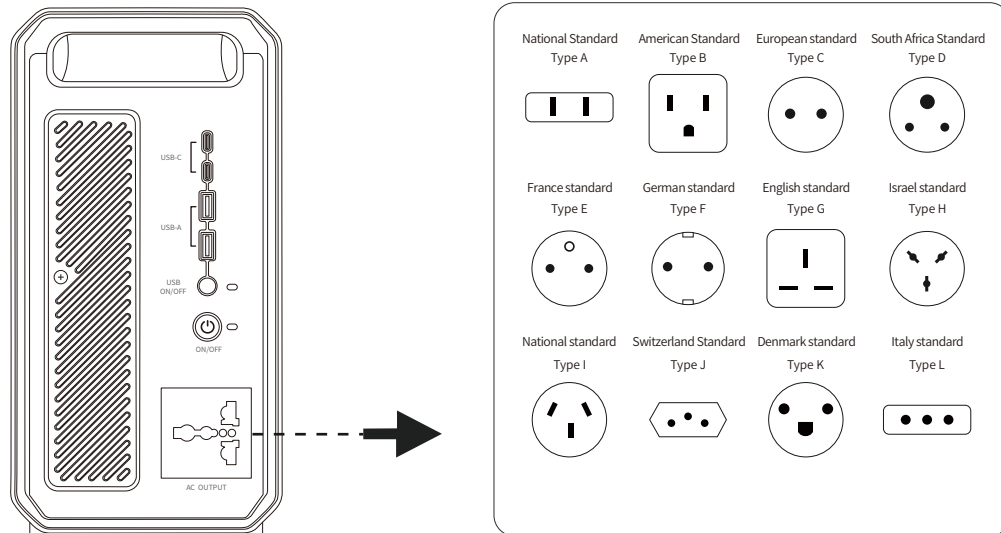


Light blue



Black

◆ Socket options



TECHNICAL SPECIFICATIONS

Basic specifications

Product model	ESSLP-01F-01K
Net weight	8.5kg
Size	325X140X265mm
Capacity	1000Wh(3.2V)
Certification standards	ROHS

Output

AC output pure sine wave(x1)	1000W Max, 220VAC(50Hz)
Type-C output (x2)	5VDC、9VDC、12VDC、2.4A、22.5W Max
USB-A fast charging (x2)	5VDC、9VDC、12VDC、2.4A、22.5W Max



Input

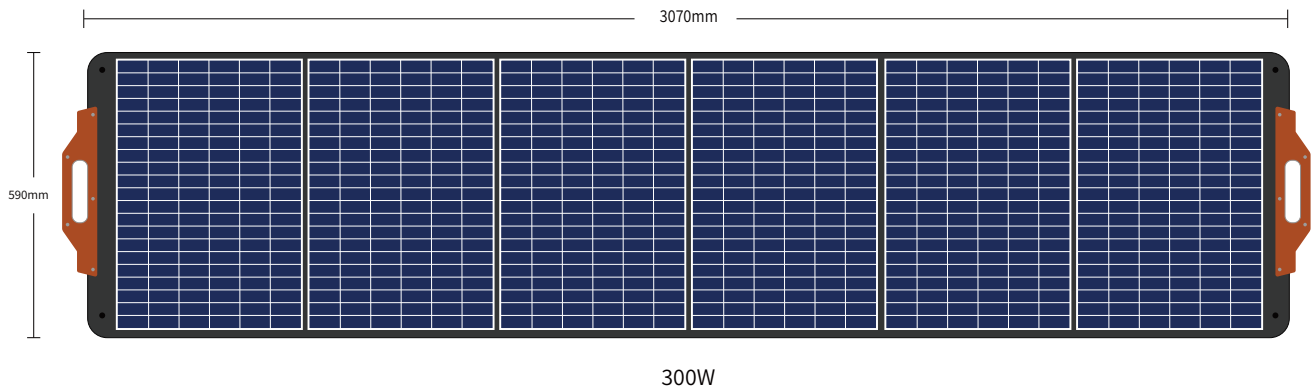
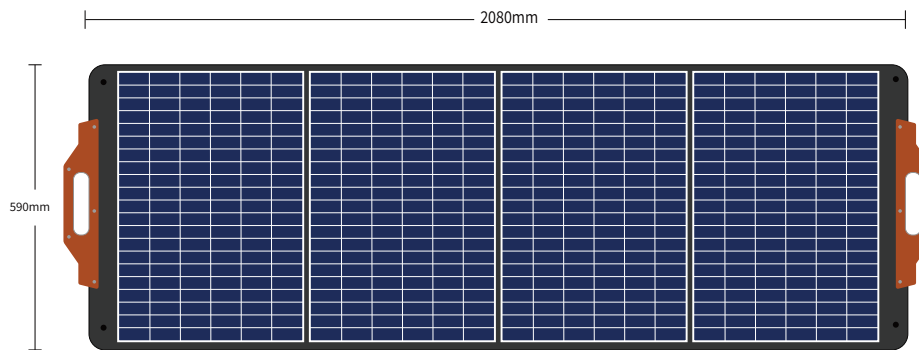
AC charging input voltage (normal)	220-240VAC(50Hz/60Hz)
AC charging input power	500W Max
Solar charging input	10~60VDC 20A Max 500W Max
Solar input power	500W Max
MPPT function	Support
Vehicle charging input	13.2VDC 20A Max

Battery

Battery type	LiFePO4 battery
Discharging temperature	-4°F~140°F±5°F (-20°C~60°C±3°C)
Charging temperature	32°F~113°F±5°F (0°C~45°C±3°C)
Cycle life	After 8,000 cycles, the remaining capacity still exceeds 80%

OPTIONAL FOLDING PORTABLE MONOCRYSTALLINE SOLAR PANEL

Project	Solar-1	Solar-2
Power	200W	300W
Open circuit voltage	18 VDC	18 VDC
Dimensions (W* D* H)	2080*590*30(mm)	3070*590*30(mm)
Hybrid Circuit	Quantity (Solar-1)	Quantity (Solar-2)
Series connection 	2 Pcs	2 Pcs
Parallel connection 	2x2 Pcs	2x2 Pcs



EXAMPLES



Portable Mobile Energy Storage

