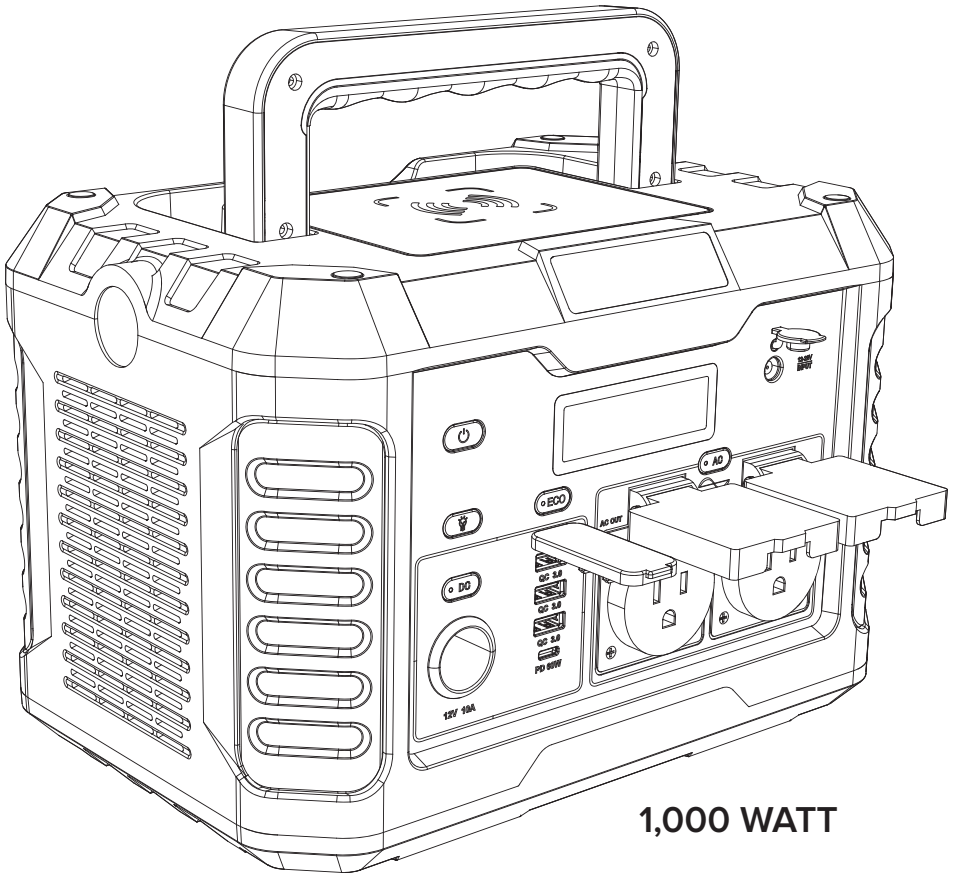




PORTABLE POWER STATION

USER MANUAL



1,000 WATT

WARNING

1. To ensure the safe operation and service of the Portable Power Station, please completely read all instructions.
2. Failure to follow all instructions may result in severe injury or property damage.
3. Any misuse of the Portable Power Station is not covered by the warranty.
4. Do not overload the Portable Power Station beyond the outlined output ratings. Overloading may pose risk of fire or personal injury.
5. DO NOT use a power adapter that is damaged or has been modified in any way as it may cause fire or explosion and risk of injury.
6. Only use the accessories provided with the Portable Power Station. The use of a power supply or charging cable that is not provided with this Portable Power Station is not recommended and may risk fire or injury.
7. DO NOT attempt to repair the Portable Power Station or power adapters as they are not serviceable.
8. Take care to not subject the Portable Power Station to vibration, drops or other impacts as in may compromise internal components.
9. DO NOT expose to moisture, rain or snow.
10. DO NOT charge, use, or store in any area exposed to water, rain or moisture or handle with wet hands.
11. DO NOT place on its side or upside down while in use or in storage.
12. Stop use immediately if rust, odor, overheating or other abnormal circumstances are observed.
13. The Portable Power Station can not replace standard AC or DC power for regular use of household appliances.
14. KEEP AWAY from high voltage electrical fields.
15. RISK OF FIRE AND BURNS. DO NOT open, crush or heat above 104°F or incinerate.
16. If the Portable Power Station should leak fluid and come in contact with clothing or skin, wash affected area immediately with water.
17. KEEP AWAY FROM CHILDREN AND PETS.

Transportation: Portable Power Station complies with all legal requirements for the transport of dangerous goods. The capacity of the lithium battery pack exceeds 100Wh. Based on international standards, if POWER STATION is transported by airplane, it must be transported by IATA standard packaging. IATA instructions and labeling requirements and the relevant declarations must be completed.



Not permitted on aircrafts



Avoid Drops



Recharge at least once every three months to preserve lifespan



Do not disassemble



Use original or certified charger and cables



This unit is not waterproof. Do not expose to liquids.



Avoid extreme temperature



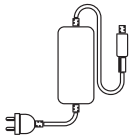
Please dispose of batteries and electronic goods in accordance with local regulations.



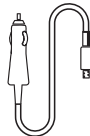
BEFORE USE

1. For safe transit, the battery level may be reduced or in sleep mode.
2. Please fully charge the Portable Power Station before use.
3. Plug in the Portable Power Station into a wall outlet for 10 minutes to reactivate the battery. If the unit doesn't begin charging after 10 minutes, please contact customer service.

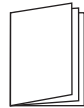
Included Accessories



AC Wall Plug
Power Adapter



Car Charger Cable



User Manual

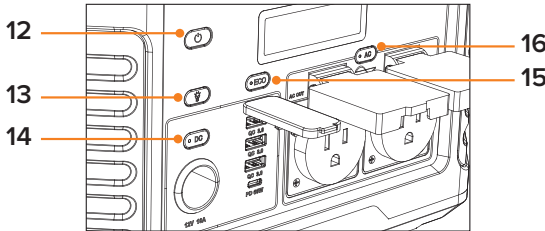
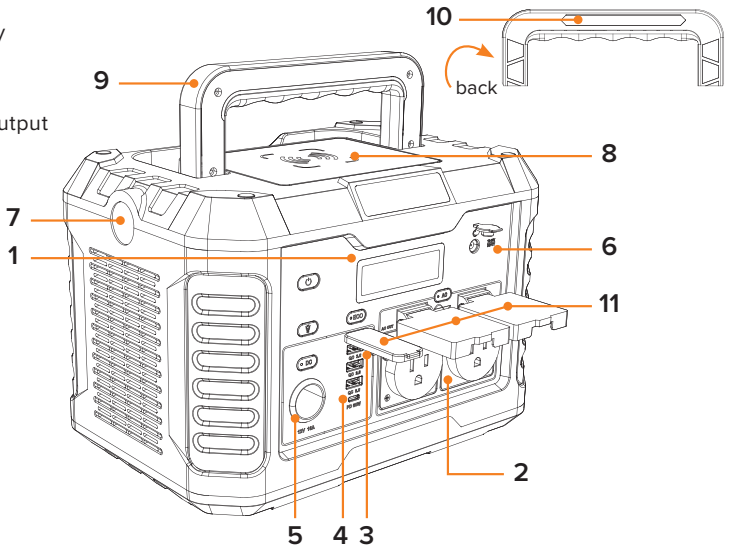
Note: Only charge the Portable Power Station with the provided charger cables.

Specifications

Model:	ESL-PB-1000W-01, Advance 1000
Battery:	Lithium Battery
Capacity:	933Wh (22.2V, 42Ah)
Dimensions (L x W x H):	11.42" x 7.91" x 7.87"
Weight:	18.9lb
Charging Temperature:	32°F to 104°F
Discharging Temperature:	14°F to 104°F
DC Input:	12~28V~, 150W Max
AC Outlet: x2	120V~60Hz 1,000W, 2,000W Surge
Cigarette Lighter Port: x1	12V= 10A
USB-A Ports: x3	5V=3.4A, 9V=2A, 12V=1.5A, 54W Max
USB-C Port: x1	5V=3A, 9V=3A, 12V=3A, 15V=3A, 20V= 3A, 60W Max
Wireless Charger: x1	10W
LED Lighting: x1	1W
Flashlight (SOS Mode): x1	1W

Features

1. LCD Screen Display
2. AC Outlet
3. USB QC 3.0
4. USB PD
5. Cigarette Lighter Output
6. DC Input
7. Flashlight
8. Wireless Charger
9. Handle
10. LED Light
11. Protective Cover



12. Power On/Off
13. LED Light & Flashlight On/Off
14. DC/USB outputs Power On/Off
15. ECO Function On/Off
16. AC Outlet Power On/Off



POWER ON/OFF BUTTON —

This is the master switch. Press to activate the DC/AC/ECO BUTTONS.



LED LIGHTING & FLASHLIGHT ON/OFF BUTTON —

Press once to turn on the FLASHLIGHT, press it again to turn on the LED LIGHT. Press and hold for 3 seconds to turn on the SOS mode.



DC OUTPUT POWER ON/OFF BUTTON —

Press to activate the DC/USB output ports.



ECO MODE BUTTON —

ECO Mode is activated by default when powered on. When the output ports are not in use, the power station will automatically turn off after an hour. Press to deactivate.



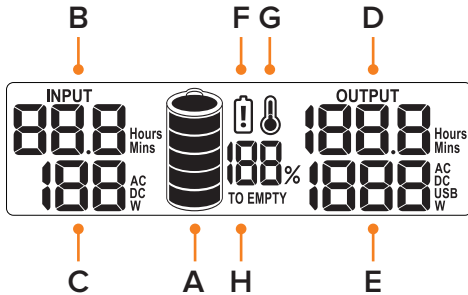
AC OUTLET POWER ON/OFF BUTTON —

Press to activate the AC power outlet.

WIRELESS CHARGER —

Press ON/OFF Button to activate. Press again to shut down the output.

LCD Display



- A: Battery Level
- B: Remaining Charging Time
- C: Input Power
- D: Remaining Usage Time
- E: Output Power
- F: Low Voltage Warning
- G: Temperature Warning
- H: Low Battery Alarm

Battery Level: Indicates the percentage of charge remaining. Please note that this value may appear to change rapidly depending upon the number of connected devices and their respective power draws. It is recommended to charge the Portable Power Station when the battery level falls below 20%.

Remaining Charging Time: Indicates the remaining charging time in hours and minutes.

Input Power: Current input energy in watts.

Remaining Usage Time: Indicates the remaining usage time in hours and minutes.

Output Power: Displays the total output watts of the Cigarette Lighter Port, USB-A, USB-C and AC Outlet(s).

Low Voltage Warning: If the Low Voltage Warning indicator is on, please recharge the Portable Power Station.

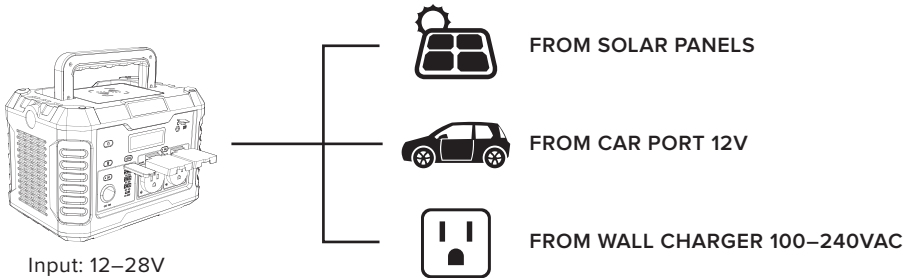
Temperature Indicator: Displays when the temperature of the Portable Power Station is too high or too low. When this indicator is displayed, all functions will shut down until the battery temperature returns to a safe working range.

Low Battery Alarm: The “TO EMPTY” display indicates that the battery level is lower than 20% and should be connected to a power source for charging.

Operating Instructions

CHARGING:

While charging, the LCD will show the current battery level. When it shows 100%, the Portable Power Station is completely charged. Disconnect the power after it is fully charged. It is recommended to fully charge Portable Power Station every 3 months to maintain the health of the battery pack.



Powering/Charging Devices

Select the type of output required by pressing either the DC (DC/USB outputs), AC, or ECO outlet button. The ports will NOT function until the appropriate button(s) are pressed to activate the port. When the ports are activated, the indicator on the button will illuminate green, indicating that the output(s) are active. The LCD screen will turn on and provide details on the output wattage.

Press the ON/OFF button(s) to deactivate the output(s) when not in use.

PASS-THROUGH CHARGING —

The advanced battery management system of the Portable Power Station allows for charging a connected device via DC outputs & USB outputs & AC output while it is charging.

OVERLOAD CONDITION —

If an overload condition occurs on the output ports, Portable Power Station will automatically turn off the outlet's power.

- The indicator light of the LCD screen will still be illuminated.
- The DC output status will still be the same status as usual.

Maintenance

- Recharge as needed. There are no pre-designated intervals at which to recharge as long as the Portable Power Station is being used regularly.
- Avoid fully draining the battery to 0%, as this can impact the quality and life span of the battery.
- Periodically inspect all ports and wall chargers for any debris, dirt, damage, and corrosion.
- DO NOT attempt to repairs. DO NOT cover with towels, clothing, or other items.
- Regularly inspect the side vents to make sure there is no dirt or dust. If there is debris, clean the unit following the cleaning procedures noted in the manual.

Cleaning

- Be sure that Portable Power Station is disconnected from all input power sources and output devices.
- Use a clean, dry, soft lint-free cloth to wipe it down. Remove any debris, dirt, or other blockages on both side vents. When cleaning debris from the side vents, do not allow the debris, dirt, or other blockages to enter the body of Portable Power Station.
- DO NOT use abrasive cleaners or solvents.
- DO NOT use compressed air to clean side cooling vents.
- To avoid the risk of electrical shock, DO NOT use metal objects to clean the ports.

Storage

- If storing for more than 1 month, charge the unit completely before storage. Recharge the unit approximately every 3 months to avoid full discharge and possible damage.
- Store indoors in cool temperatures with only mild humidity, and away from direct sunlight. Leaving the unit in a vehicle or other confined spaces in extremely hot temperatures can decrease the service life, cause overheating, and even fires.
- Extreme cold temperatures can harm the performance and service life.
- Keep away from corrosive chemicals and gases.
- After taking the unit out of storage, inspect the unit and make sure all accessories are undamaged.
- Inspect the intake and the exhaust side vents to ensure they are clear of debris.
- Do not operate the Portable Power Station outside of safe ambient temperatures.

Troubleshooting

ERROR CODE	CAUSE	SOLUTION
E1	AC Output Overload Warning	Devices plugged into the AC outlets exceed the power rating. Unplug and verify device requirements. Press AC button to restart the outputs.
E2	AC Output Off	Verify the devices are within the power rating. Press AC button to restart the outputs.
E3	DC Output Over/Under Voltage	Devices plugged into the DC outlets exceed the power rating. Unplug and verify device requirements. Press DC button to restart the outputs.
E7	DC Output Overload Protection	Verify the devices are within the power rating. Press DC button to restart the outputs.
E8	USB Output Overload Protection	Verify the devices are within the power rating. Press DC button to restart the outputs.
E4/E5/E6/E9	Output Overload Protection	When E1/E7/E8 occurs, E4/E5/E6/E9 will be displayed to determine the problem more accurately. Verify the devices are within the power rating. Press the appropriate on/off button to restart the outputs.
E62	Over-Charge Reminder	Stop charging after 100%.
E72	Charging Safety Protection	Unplug the charging cable and turn off the device. Let the unit cool down/rest before charging.

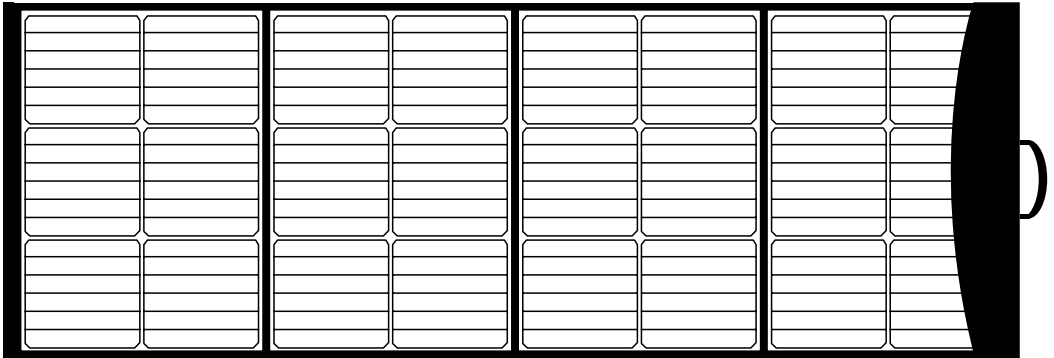
PROBLEM	POSSIBLE CAUSE
Unable to Charge	<ul style="list-style-type: none"> Make sure that the power adapter is completely plugged in to both the DC input and the power source.
No Output	<ul style="list-style-type: none"> Ensure that the DC/USB/AC output ports are activated by pressing the corresponding On/Off button. Verify that the cables are plugged in completely. Verify the battery level. Verify that the devices are within the power rating.
Shuts down when devices are plugged in	<ul style="list-style-type: none"> ECO mode is on and the draw of the outputs is low or at zero. The Portable Power Station has a number of built-in safety features to avoid malfunctions. Operating outside of the rated temperatures, wattage limits or with too low a charge will cause the unit to shut down.





PORTABLE SOLAR PANEL

USER MANUAL



120 WATT

! WARNING

1. To ensure the safe operation and service of the Portable Solar Panel, please completely read all instructions.
2. Failure to follow all instructions may result in property damage.
3. Any misuse of the Portable Solar Panel is not covered by the warranty.
4. Only use the Portable Solar Panel with devices that are within the rated power output. DO NOT attempt to charge larger devices or appliances that require more power than the specified rating.
5. DO NOT break, dismantle or drop the Portable Solar Panel.
6. DO NOT use nails or sharp objects to scratch the surface.
7. DO NOT place heavy objects or step on the panels.
8. DO NOT immerse in water. Try to avoid exposure in rainy or moist environments.
9. DO NOT allow contact with strong corrosive materials.
10. DO NOT attempt to modify the panels in any way. Any modifications may impair the functionality and will void the warranty.



Do not immerse in water



Avoid extreme temperature



Do not destroy



Do not disassemble

Specifications

Model:	ESL-SP-120W-01
Peak Power:	120W
DC Output:	18V/6.67A Max
USB-A Port: x1	5V 3A, 9V 2.5A, 12V 2A Max
USB-C Port: x1	5V 3A, 9V 3A, 12V 3A, 15V 3A Max
Cell Type:	Monocrystalline (4 pieces)
Dimensions (unfolded):	63.58" x 20.47" x 0.98"
Dimensions (folded):	20.47" x 14.96" x 1.97"
Weight:	9.4lbs (excluding accessories)

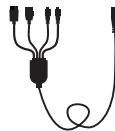
Included Accessories



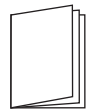
1x DC 7909 Cable
(equipped with panel)



1x USB-A, 1x USB-C
(equipped with panel)



1x DC7909 to DC5521 / DC5525 /
Anderson / XT60 Cable



User Manual



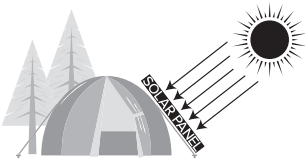
BEFORE USE

1. Verify that the charging cable is compatible before plugging it in.
2. Please confirm that the charging voltage of the Portable Solar Panel is consistent with the input voltage of the battery.
3. Please note on the Anderson Plug: Red is positive and Black is negative. Only connect positive to positive, and negative to negative.

Operating Instructions

For best results, angle the panel directly at the sun (90°) and use in full sun.

OPTIMAL

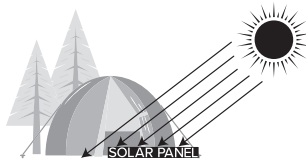


Angled directly at the sun



Full Sun

FAIR

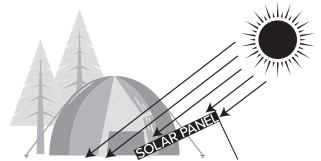


Facing upward on the ground



Partial Sun

INADEQUATE

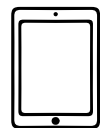
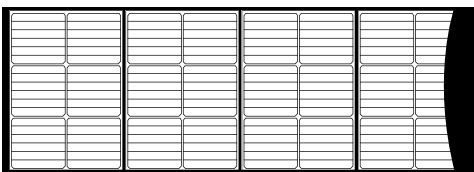


Angled away from sun



Cloudy

Use the Portable Solar Panel to charge the Portable Power Station, a power bank, cell phone, tablet, flashlight, and more!



FAQ

Q: Is the Portable Solar Panel waterproof?

A: The Portable Solar Panel is well-protected from splashing water on both sides. However, please be aware that the connectors on the bag are not waterproof. Avoid submerging the Portable Solar Panel in water, and it's advisable not to use it in rainy or damp conditions.

Q: Can I connect this Portable Solar Panel with other units?

A: Certainly, you can chain together other Portable Solar Panel that share the same nominal output voltage power in parallel. It's important to note that the combined current should not exceed the capacity of the connecting cables and plugs. Please be aware that our warranty doesn't cover property loss resulting from incorrect chaining of Portable Solar Panel.

Q: What should I do if the separately sold USB Controller Box is not charging my devices?

A: 1. Confirm that your device's input voltage is compatible with 5V or supports QC3.0 & PD, as indicated in your device's manual.
2. Fluctuations in current caused by cloudy weather or indirect sunlight can affect charging. To optimize charging, place the Portable Solar Panel in direct sunlight or wait for clearer weather.
3. Maintain the panels by wiping them with a damp cloth after each use to prevent scratches.
4. Protect the panels from exposure to fire, water, and chemical liquids.

Q: Will the solar charger work in partially cloudy or shady conditions?

A: Yes, the solar charger will function in such conditions, although its charging efficiency will be reduced, leading to longer charging times.

Q: Can this panel charge a Portable Power Station?

A: Absolutely, the Portable Solar Panel can charge the Portable Power Station, as well as products from other compatible brands. It's worth noting that charging a Portable Power Station with excessive power capacity may result in extended charging times.

