



**PORTABLE POWER STATION**

**USER MANUAL**



# ■ SAFETY INSTRUCTIONS

## IMPORTANT SAFETY INFORMATION

Please read and understand all safety instructions carefully to ensure safe operation and application of the power station. Severe injury or property damage may be caused by failure to follow instructions.

The loss caused by misuse of POWER STATION is not covered by our Warranty

## CHARGE NOW

Please FULLY charge the POWER STATION as soon as possible once you receive it.

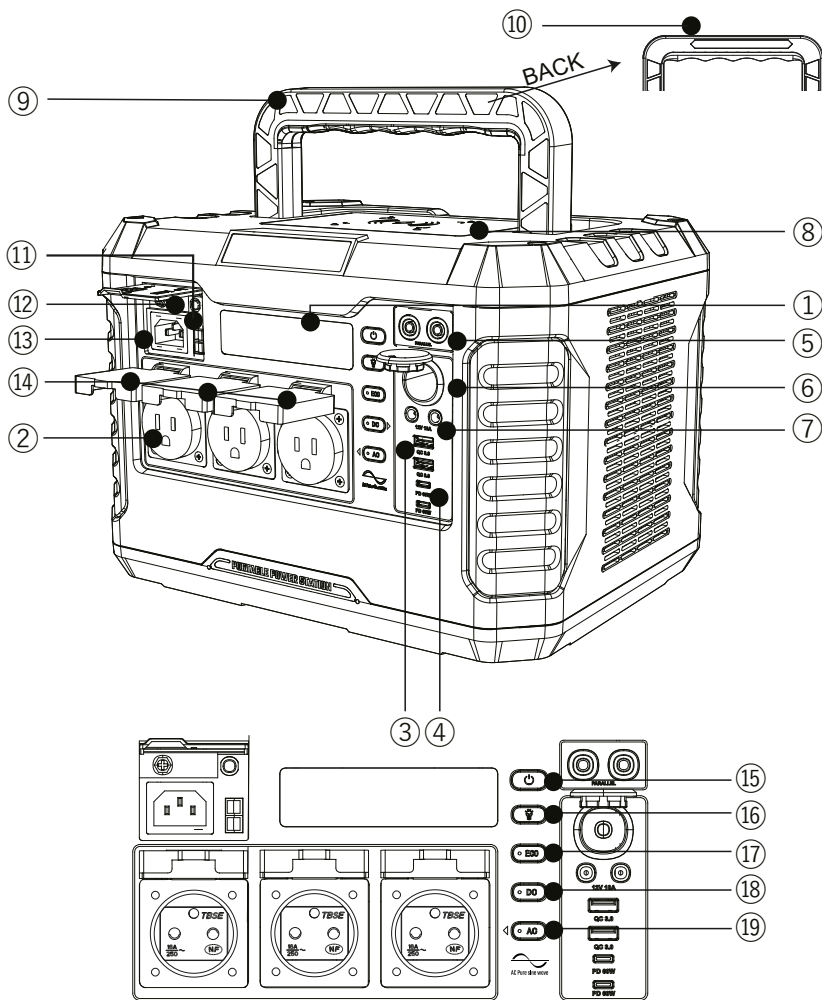
The battery may be in sleep mode or lose power during long periods of transport and storage.

Plug the POWER STATION into the wall outlet for 10 minutes to reactivate the battery. If the battery still not charged after 10 minutes, please contact customer service team.

**Note:**

When turning on the AC Button, the LCD Display may show Output Power watts being drawn before you plug the load into the AC outlet. This is normal reaction caused by the "no-load" discharge. It is recommended that you turn off the output button(s) when not in use.

# ■ FEATURE DETAILS



- |                             |                                   |                             |
|-----------------------------|-----------------------------------|-----------------------------|
| 1. LCD Screen Display       | 2. AC Outlets                     | 3. USB QC3.0                |
| 4. USB-TYPE-C 60W           | 5. Parallel Connection Ports      | 6. Cigarette Lighter Output |
| 7. DC 5525                  | 8. Wireless Charger               | 9. Handle                   |
| 10. LED Light               | 11. Anderson Input                | 12. Reset Button            |
| 13. AC Input                | 14. Protective Cover              |                             |
| 15. Power ON/OFF Button     | 16. LED Light (SOS) ON/OFF Button |                             |
| 17. ECO Mode ON/OFF Button  | 18. DC/USB Output ON/OFF Button   |                             |
| 19. AC Outlet ON/OFF Button |                                   |                             |

# ■ OPERATION GUIDE

## FUNCTION BUTTONS

**15:** 

Power ON/OFF Button

**18:** 

DC/USB Output ON/OFF Button

**16:** 

LED LIGHT ON/OFF Button

**19:** 

AC Outlet ON/OFF Button

**17:** 

ECO Mode ON/OFF Button

### 15: POWER ON/OFF Button

POWER ON/OFF BUTTON is the Master Switch. Press POWER ON/OFF BUTTON to activate the DC/AC/ECO BUTTONS.

### 16: LED LIGHT ON/OFF Button

Press LED LIGHT ON/OFF Button once to turn on the LED LIGHT, press it again to turn off the LED LIGHT.

Press and hold the LED LIGHT ON/OFF Button over 3 seconds to switch to the SOS mode.

### 17: ECO Function ON/OFF Button

ECO Mode: If the output ports are not in use, the power station will automatically shut down after 1 hour for energy saving.

Press the POWER ON/OFF Button, ECO Mode will be activated by default. If you do not need this function, please press the ECO ON/OFF Button to turn it off. Press ECO Button to activate the ECO Mode.

### 18: DC/USB Output ON/OFF Button

Press DC Output ON/OFF BUTTON to activate DC/USB Output ports.

### 19: AC Outlet ON/OFF Button

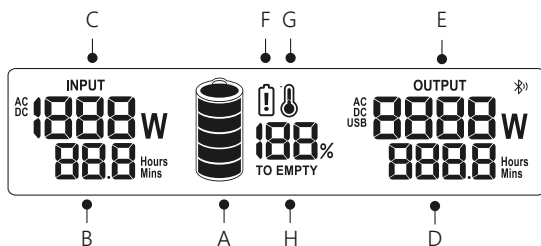
Press AC Output ON/OFF BUTTON to activate AC Output Ports.

### 20: WIRELESS CHARGER

Press Power ON/OFF Button before charging. Press the Power ON/OFF Button to turn off the output.

# ■ OPERATION GUIDE

## LCD FEATURES



- 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

## DETAILS DISPLAYED ON LCD

**Battery Level:** The percentage figures and the number of battery bars represent remaining capacity.

**PLEASE BE AWARE** that this value varies as the energy consumption of the load changes. Charge the POWER STATION when the battery level is below 20%. Please note that when you first charge the POWER STATION, either a solar panel or an AC Charger, it may take a few minutes to detect and adjust its charging circuit before it begins to draw power.

**Remaining Charging Time:** Real-time display of remaining charging time in hours and minutes.

**Input Power:** Real-time display of Input Power in Watts.

**Remaining Usage Time:** Real-time display of remaining service time in hours and minutes.

**Output Power:** Real-time display of the total Output Power in Watts (Cigarette Lighter Port, USB-A, USB-C and AC).

**Low Voltage Warning:** Please recharge the power station when the low voltage warning sign lights up.

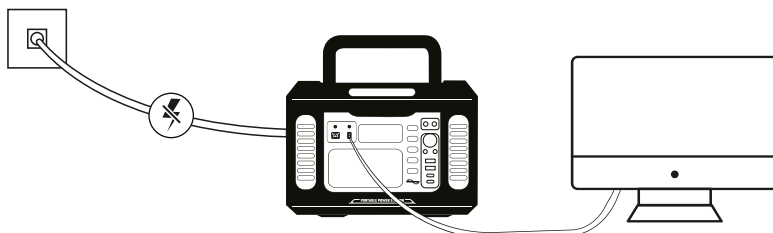
**Temperature Warning:** The Temperature Warning sign will light up when the battery temperature of POWER STATION is too low/high. All functions will return to normal when the battery temperature revert to the working range.

**Low Battery Alarm:** The "TO EMPTY" sign will light up when the battery level is below 20%. Please charge it as soon as possible to extend battery lifespan.

## ■ Additional Function

### UPS MODE

When the AC charging cable is connected to the Utility Power and the device is charged by the Master with the AC Button on, it won't consume power from **Power Station**. When there is a power outage, it automatically switches from Utility Power to Power Station power supply within 10 milliseconds.



#### NOTICES:

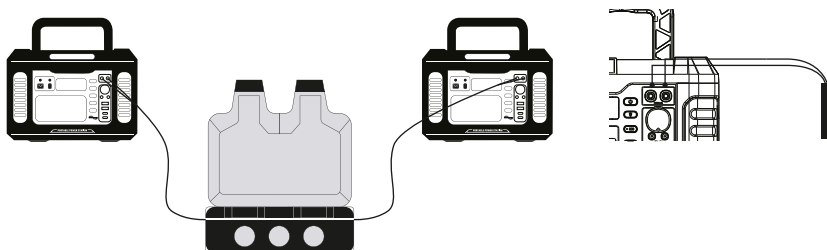
WOULD NOT work when two power stations connected in parallel.

ONLY WORKS when AC ON/OFF BUTTON is ON.

### Parallel Connection Kit (Sold Separately)

Ecox 18 Pro can double the power by connecting the two power stations with an additional parallel connection box (sold separately).

Plug the DC port of the parallel box separately into the two same power stations as below to expand the power watts.



#### NOTICES:

The red part of the DC plug is positive, and the black part is negative.

Please connect the positive to positive and the negative to negative to ensure proper use.

Please connect the parallel cable first, then press the AC output button to activate the parallel function.

The total output watts are separately displayed in the LCD of power station.

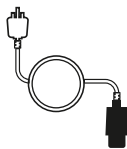
UPS WOULD NOT work when paralleling two power stations.

Please parallel two same power station with the provided parallel box (sold separately).

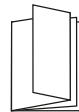
## ■ GENERAL SPECIFICATIONS

<b>Model</b>	Ecox 18 Pro
<b>Battery</b>	Lithium Battery
<b>Capacity</b>	1466Wh (44.4V, 43Ah)
<b>Dimensions</b>	L350 x W265 x H240 mm
<b>Weight</b>	31.1 lbs(14.1kg)
<b>Charging Temperature</b>	32 to 104°F (0 to 40°C)
<b>Discharging Temperature</b>	14 to 104°F (-10 to 40°C)
<b>AC Input</b>	800W
<b>Solar Input</b>	12-60V, 800W Max
<b>AC Outlet</b>	3x 1800W, 3600W surge
<b>DC Ports</b>	1x 12V/10A, 2x 12V/10A (DC5525)
<b>USB-A Ports</b>	2x 5V/3.4A, 9V/2A, 12V/1.5A, total 36W Max
<b>USB-C Port</b>	2x 5V/9V/12V/15V/20V, 3A, total 60W Max
<b>Wireless Charger</b>	1x 10W
<b>LED Lighting (SOS mode)</b>	1x 1W

## ACCESSORIES



• AC Charging Cable



• User Manual

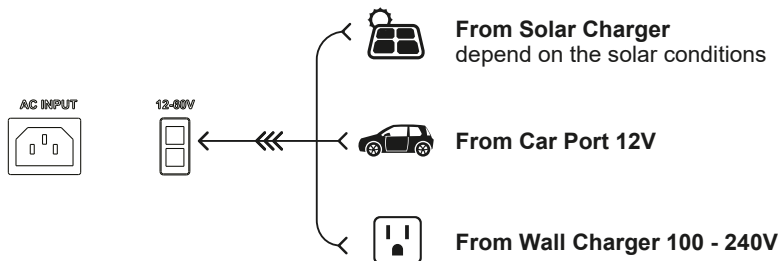
### NOTICES:

- Check the input charge cable. The charging process can work efficiently only the input charge cable meets the specification outlined in the GENERAL SPECIFICATIONS section.
- Charge POWER STATION with provided AC adapter only.



# ■ OPERATION GUIDE

## HOW TO CHARGE



RECOMMEND TO UNPLUG THE POWER STATION WHEN IT'S FULLY CHARGED. WHEN IT CANNOT CHARGE THE POWER STATION, PLEASE CHECK IF THE RESET BUTTON IS ON.

## POWERING / CHARGING DEVICES

Select the required output port by pressing the corresponding switch button (DC (DC/USB output), AC or ECO). The output port will be activated when the indicator on the button lights up green. The LCD will display output details. Press the **POWER ON/OFF BUTTON(S)** to turn off the output(s) power when not in use.

Press the **ON/OFF BUTTON(S)** to shut down the output(s) when not in use.

### PASS-THROUGH CHARGING

The advanced battery management system of the POWER STATION allows powering a device via DC & USB & AC output port(s) while it's charging itself.

### OVERLOAD CONDITION

If the overload condition occurs to the **OUTPUT**, **POWER STATION** will automatically shut down the outlet's power.

- The LCD still display values.
- The DC Output will still be the same status as normal.

## OPERATING INSTRUCTIONS

### CHARGING POWER STATION

The LCD shows the battery level while charging. POWER STATION is fully charged when the figure turns to 100%.

It is recommended to **FULLY** charge POWER STATION every 3 months to extend the battery lifespan.

# ■ MAINTENANCE

## MAINTENANCE

Recharge as you need. There are no pre-designated intervals at which to recharge as long as the POWER STATION is used regularly. Avoid fully depleting the battery to 0%, it will impact the quality and lifespan of the battery. Periodically inspect all ports and wall chargers for any debris, dirt, damage, and corrosion.

DO NOT attempt to fix it on your own.

DO NOT cover the POWER STATION with towels, clothing, or other items. Periodically check the side vents to make sure there is no dirt or dust. If there is debris, follow the cleaning procedures in the manual to clean the POWER STATION.

## CLEANING

Make sure any input power and output devices are NOT plugged into the POWER STATION.

Wipe it with a clean, dry, soft, lint-free cloth. Remove any debris, dirt, or other blockages from the side vents and prevent them from falling into the interior of the Power Station.

DO NOT use abrasive cleaners or corrosive solvents.

DO NOT use compressed air to clean side vents.

DO NOT use metal objects to clean the ports to avoid the risk of electric shock.

## STORAGE

Please fully charge the POWER STATION if the storage time is more than one month. Recharge the POWER STATION every 3 months to avoid possible damages from a full discharge. Please store in a cool, moderately humid room out of direct sunlight (Refer to GENERAL SPECIFICATIONS section). Leaving POWER STATION in a car or other confined space with extremely hot temperatures will overheat the battery, resulting in a shortened lifespan and even fires.

Extremely cold temperatures will affect the performance and lifespan of the POWER STATION. Keep away from corrosive chemicals and gases. After taking the POWER STATION out of storage, check and make sure all the accessories are in good condition. Review the air intake and side vents to ensure they are clear of debris.

Ensure safe environmental conditions are met before the POWER STATION recharge or charging other appliances.

## DISPOSAL/RECYCLE

Please fully discharge the battery before disposing it. Due to the presence of hazardous chemicals, please dispose of batteries only in designated recycling channels, not with regular trash. Consult your local laws regarding battery recycling and disposal.

If the battery cannot be fully discharged due to product failure, please contact a professional battery recycling company for further processing.

Please dispose of batteries that no longer recharge.

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## ■ TROUBLESHOOTING

<b>Indicator</b>	<b>Phenomenon</b>	<b>Solutions</b>
E1	AC Output Overload Warning	Please charge/power the devices within the rated power. Otherwise, the AC ON/OFF button will automatically turn off.
E2	AC Output Off	Please charge/power the devices within the rated power. And then push the AC button to restart.
E3	DC Output Overvoltage / Undervoltage	Please charge/power the devices within the rated Voltage of DC and then press the ON/OFF Button to resume the functions.
E7	DC Output Overload Protection	Please charge/power the devices within the rated power of DC and then press the ON/OFF Button to resume the functions.
E8	USB Output Overload Protection	Please charge/power the devices within the rated power of USB and then press the ON/OFF Button to resume the functions.
E4/E5/E6/E9	Output Overload Protection	When E1/E7/E8 occurs, E4/E5/E6/E9 will be displayed to more accurately identify the problem. Please charge/power the devices within the rated powers and then press the corresponding button to restart.
E62	Over-long Charging Reminder	Stop charging after 100%.
E72	Charging Safety Protection	Unplug the charging cable and turn off the device, plug in again after a while.

### NOTICE:

If none of these solutions work, or if you see a warning code different from the one listed above, please stop using the power station, record the warning code, and contact customer service for further instructions.

## ■ TROUBLESHOOTING

<b>Problem</b>	<b>Solutions</b>	<b>Remark</b>
Unable to Charge	Check if the AC adapter plug is fully plugged into the DC Input and Wall Outlet.	Confirm whether it is a connecting issue.
	Check if the adapter indicator is on if connected well.	If the light is still off, please contact customer service for help.
	The charging indicator is on, but it still can't charge.	Contact customer service for help.
No Output	Ensure that the DC/USB/AC outlets are activated by pressing the corresponding button.	Once the corresponding button (s) is turned on, the output Watts will show on the LCD screen.
	Check the connected cables are appropriately plugged into the devices and power station.	Confirm the connection condition.
	Check the battery level.	Low battery will affect the outputs.
	Verify the watt data displayed on the LCD screen for an overload condition.	Overload will shut down the outputs (For more information, please see the error codes section).
Suddenly Interrupted When Using Output (s)	The power used by the connected device(s) electronic device exceeds the rated power of the POWER STATION this product. Check if the connected device (s) is suitable for the power station by reviewing the output specifications in the GENERAL SPECIFICATIONS section.	Only plug in devices within the rated Watts. If you need a POWER STATION with a larger capacity(wh) You can browse our website or contact customer service to see which one is suitable for you..
	Check if the output power is too low. If it is too low for a few hours, the power station will automatically shut down. Please press the ON/OFF button to restart the product.	Automatic shutdown for saving power If you do not want the Energy-saving function, press the ECO button to turn it off.
	Check if it shuts down automatically in case of self-protection-overcurrent, over/under temperature, overload, etc. If so, simply press the power on/off button and restart the power station to restore normalcy.	Several protections to ensure the safe use of power station.

If you are experiencing any other problems not listed above, please contact customer service for help.

## ■ WARNINGS

The warnings in this manual cannot cover all possible conditions or situations that may occur.

Please use the **POWER STATION** with common sense and caution. Always be aware of the environment around you while using it and ensure safe and responsible use of **POWER STATION**.

- **DO NOT** use the **POWER STATION** over its output rated power. Although we have built-in overload protection, overloading may result in the risk of fire or personal injury.
  - **DO NOT** use the **POWER STATION** or AC adapter if it is damaged or modified. Damaged or modified batteries may behave unpredictably, resulting in the risk of fire, explosion or injury.
  - **DO NOT** subject to vibration, impacts, or drops. Secure the **POWER STATION** during transportation. While the housing may not show signs of damage, the internal components may have been damaged. It is recommended to replace it if any such severe event occurs.
  - **DO NOT** expose the **POWER STATION** to moisture, rain, or snow.
  - **DO NOT** charge, use or store the **POWER STATION** in the bathroom or the area exposed to water, rain, or moisture.
  - **DO NOT** leave children, people with physical/mental handicap(s), or people who lack of experience and knowledge, along with the **POWER STATION** unless under the supervision or guidance of their guardians.
  - **DO NOT** attempt to repair the **POWER STATION** or AC adapter. There is no user- repairable component inside.
  - **DO NOT** operate the **POWER STATION** with wet hands.
  - **DO NOT** place the **POWER STATION** on its side or place upside down during use or storage. If rust, odor, overheating, or other abnormal circumstances are observed, stop using it and contact customer service.
  - Children should be supervised to ensure that they **DO NOT** play with the **POWER STATION** alone.
  - **POWER STATION** is only used as emergency backup power. It cannot always replace the standard AC or DC power supply for household appliances.
  - Keep away from high voltage electric fields.
  - Do not open, crush, incinerate or heat it above 104°F (40°C). There is a risk of fire and burns. The use of a power supply, charger, or cable not recommended or sold by portable battery manufacturers may risk fire or personal injury.
  - If the liquid inside the **POWER STATION** come in contact with your skin or clothing, wash the affected areas with water.
  - The accessories included in the box should only be used with the **POWER STATION**.
  - **KEEP POWER STATION AWAY FROM PETS.**
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## ■ CAUTIONS

Transportation: POWER STATION meets all legal requirements for the transport of dangerous goods. Lithium battery pack with a capacity of more than 100Wh must be shipped in IATA standard packaging if POWER STATION is transported by air, according to international standards. IATA instructions and labeling requirements and related declarations must be completed.



Not allowed to carry on the aircraft.



Avoid dropping.



To maintain the battery lifespans, please use and fully recharge at least once every three months..



Do not disassemble.



Use original or certified charger and cables.



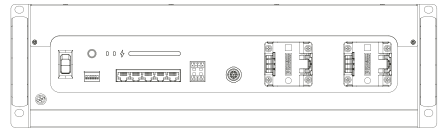
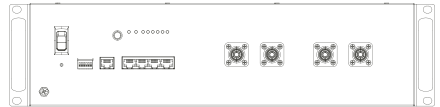
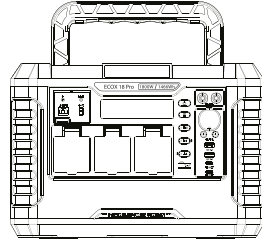
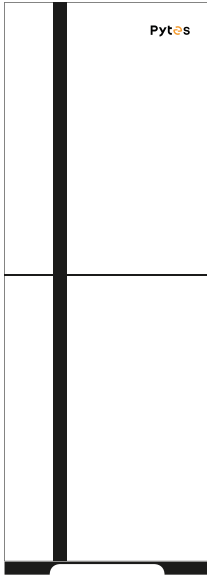
Non-waterproof, DO NOT expose to liquids.



Avoid extreme temperature.




Please dispose of batteries and electronic items according to local regulations.



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