

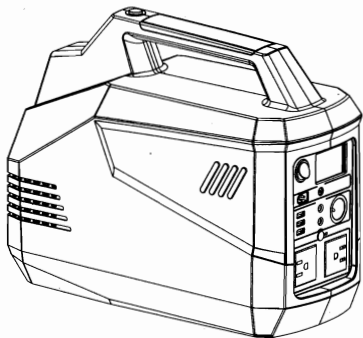


# ***PRIME 750***

## ***Portable Power Supply***

*Ideal for Tailgating, Camping & Emergency Power*

*Stay Powered, Anywhere!*



# **User Manual**

*Dear Customer,*

*Thank you for choosing Poweroad PRIME 750 portable power supply.*

*PRIME 750 adopts the advanced Lithium-ion battery technology and is an ideal portable power supply solution for indoor & outdoor activities and emergency. It makes your camping, tailgating and other outdoor activities more comfortable and easier. Furthermore, it can also be used as critical backup power in emergency.*

*Please carefully read and follow the instructions before using this device. If there is any question, please contact the Poweroad team. Hope you enjoy using our product.*







*\* Before using, please use the provided charger to fully charge PRIME 750 and ensure it can work normally.*

*\* Please read this manual before using your PRIME 750 and well keep for future reference.*

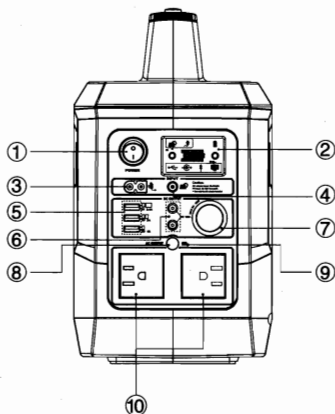
*\* The design and specifications are subject to change without prior notice.*

## **▲** What's inside the box

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 Poweroad PRIME 750	 Charger	 Manual
 Solar Panel	 5-in-1 USB cable	 DC Light

## 2 Get to know PRIME 750



1. ON/OFF power switch
2. LCD screen
3. AC Adaptor input
4. Solar charging input
5. USB outputs
6. 12V DC outputs
7. Cigar lighter output
8. AC output button
9. AC output indicator
10. AC outputs

Please refer to below respective outlet types



USA, MEX,  
CAN & JPN



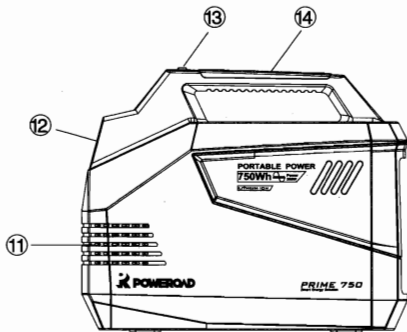
GBR, IRL, MLT,  
MAS & SIN



AUS, NZL,  
ARG & CHN




EUROPE, SOUTH  
AMERICA & ASIA



11. Cooling fan
12. Light
13. Light button
14. Handle

### 3 Use PRIME 750

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- \*When battery capacity is below 20%, AC outputs will be automatically disabled.
- \*When battery capacity is below 5%, DC (USB & 12V) outputs will be automatically disabled.
- \*When DC is in use or AC is on, the discharging ring on the right side of LCD screen remains rotating (  ).


#### Power on

Switch on PRIME 750, it will start initial self-checking.

During the processing, all the icons on the LCD screen will be activated.

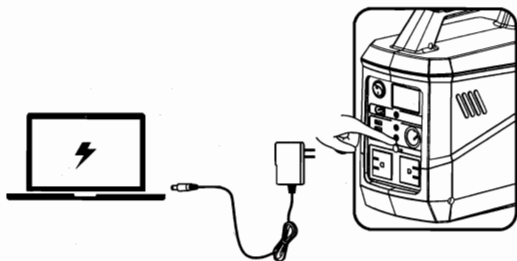
The LCD screen will turn to normal display if all functions are normal.

#### Using AC output


Press AC output button, LED indicator is on and the AC output icon (  ) on the LCD screen will be activated. Then you can use to charge your devices.

When you finish using, press AC power button to turn off the AC output.

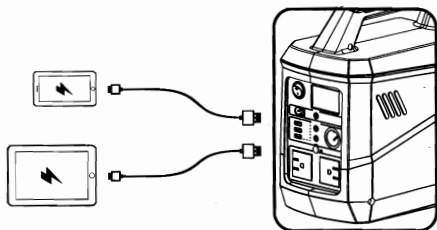
The interval time between 2 AC power-on should not be less than 5 seconds.




## Using 5V Output

You can use USB outputs directly to charge your devices. When PRIME 750 detects the load, the USB icon (  ) on the LCD screen will be activated.

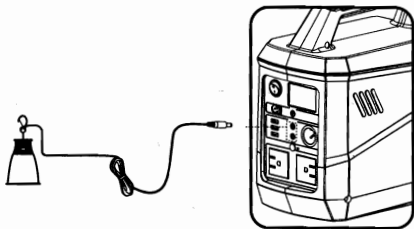
PRIME 750 has 3 separate USB ports, with different output currents of each one (see the technical specification for more details). You can use different USB port according to your power request, while you are not allowed to connect these 3 USB ports together to charge one device.



## Using 12V DC output


You can use 12V DC outputs directly to charge your devices. When PRIME 750 detects the load, the DC icon (  ) on the LCD screen will be activated.

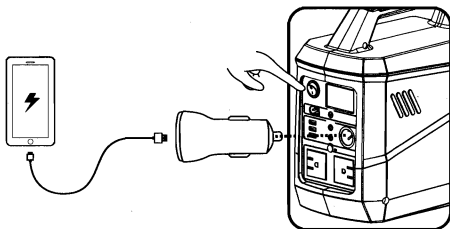
PRIME 750 has two separate 12V DC outputs, with the same output power.



## Using 12V DC cigar lighter output

You can use 12V DC cigar lighter output directly to charge your devices.

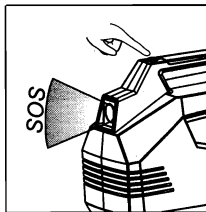
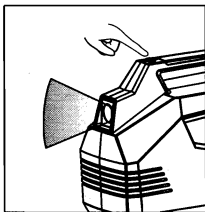
When PRIME 750 detects the load, the 12V DC cigar lighter icon (  ) on the LCD screen will be activated. The max output power is 60W.



## Lighting

PRIME 750 has 5 lighting modes: High bright (100% power), Eco mode (50% power), Energy saving (25% power), Emergency flash and SOS.

Press the button hard to turn on/off the light, and press gently to shift between different modes.



## Power off

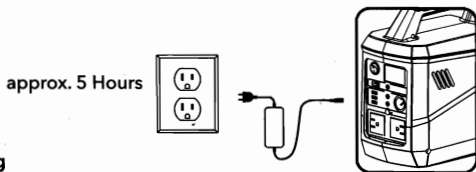
When you finish using, please power off PRIME 750 by following steps:

- ① Remove all the connected cables and loads;
- ② Press to turn off the AC output, and the LED indicator light will be off;
- ③ Switch off the power, and well keep it for next using.

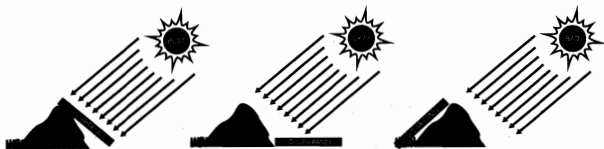
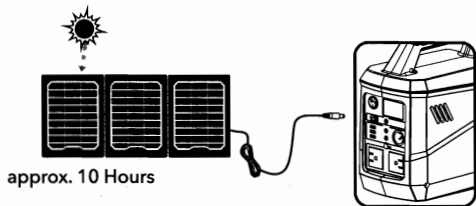
## Recharging

### • Wall Charging

Important: Please do not use PRIME 750 while charging!



### • Solar Charging

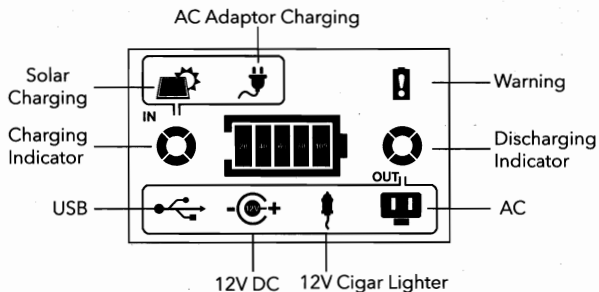


The solar panels generate electricity instead of storing it, even in the overcast. Keeping solar panels away from curtain or window and exposing them toward the sun at a proper angle can significantly improve efficiency.

Charging time based on the best performance.

- 40W Input = 20-25 hours
- 60W Input = 12-15 hours
- 80W Input = 10-12 hours
- 100W Input = 8-10 hours
- 120W Input = 6-7 hours
- 200W Input = 4-5 hours

## 4 LCD Screen Guide



### • Input

- Being charged by solar
- Being charged by AC adaptor
- Remain rotating when being charged

### • Battery

- Battery Volume Indicator

### • Output

- USB in use
- 12V DC in use
- 12V Cigar Lighter in use
- AC power is on
- Remain rotating when DC in use or AC is on












### • Warning

No.	Alarm	LCD Screen Display	Causes
1		Low Battery Icon keeps flashing until battery is charged above 10%	Battery capacity below 10%
2	Every 1 sec.	Warning Icon keeps flashing until fault is resolved.	Charging fault
3	Every 2 sec.		DC output fault
4	Every 3 sec.		AC output fault
5	Every 4 sec.		Over temperature

## 5 Trouble Shooting

No.	Faults	Causes	Solutions
1	Failure to Power-up	Under-voltage Protection	Please charge PRIME 750
		Abnormal Load Protection	Please remove the loads and recharge PRIME 750. If the problem can not be solved, please ask for repair.
		Product Damage	Please send back to the dealer/shop for repair or replacement.
2	Charger Fault	Unmatched Charger	Please only use the charger authorized by Poweroad.
		Charger Damage	Please contact your local dealer to replace the charger.
		Abnormal Power Supply or Connection	Please re-connect the charger. If the problem cannot be solved, please contact your local dealer to replace the charger.
3	Solar Panel Charging Fault	Over-Current	Please use the recommended PV panel.
		Weak Sunlight	Please charge in sunny place.
		Solar Panel Damage	Please contact your local dealer to replace the PV panel.
		Abnormal Wiring-harness Connection	Please re-connect the wiring-harness. If the problem can not be solved, please contact your local dealer to replace the PV panel.
4	DC / AC Output Fault	Battery Under-voltage Protection	Please charge PRIME 750
		Discharge Over-current Protection	Please check and ensure the power of loads are within the allowed range. (Total loads $\leq 500W$ ).
		Over-temperature Protection	Please turn off PRIME 750 and restart after cooling down.
		Product Damage	Please send back to the dealer/shop for repair or replacement.
5	Abnormal Icon Display	Abnormal Loads	Please remove the loads.
		Hardware Fault	Please send back to the dealer/shop for repair or replacement.
		LCD Screen Damage	Please send back to the dealer/shop for repair or replacement.
6	LCD Screen Fault	LCD Screen Damage	Please send back to the dealer/shop for repair or replacement.

## 6 Specifications

 Capacity	750Wh (25.2V, 30Ah)
 Weight	7.6kg (16.7lbs)
 Dimensions	349 × 160 × 285 mm (13.7 × 6.3 × 11.2 in)
 Adaptor Input	150W AC Wall Charger / 29.4V5A
 Solar Input	30 - 36V / Max. Power up to 200W
 USB Output	1 x 5V 1A + 1 x 5V 2A + 1 x 5V 2.4A
 DC Output	2 x 12V $\equiv$ 2.5A
 Cigar Lighter	1 x 12V $\equiv$ 5A/60W
 AC Output	2 x 110V/50Hz or 2 x 110V/60Hz
 Lighting	1W High Brightness LED with SOS mode
 Temperature	Working : -10 ~ 55°C (14 ~ 131°F)
	Storage : 0 ~ 45°C (32 to 113°F)

\* All technical features are tested and achieved under the environment of 25°C

### Loading time:



12V 3W  
Lighting  
230+ hours



Stereo  
15+ hours



PSP  
175+ times



Camera  
85+ times



Smart phone  
70+ times



Pad  
17+ times



Laptop  
8+ times



60W Fan  
12+ hours



TV  
7+ hours



Mini Bar  
15+ hours

## Attention

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Please use PRIME 750 to charge your devices under the environment of  $-10^{\circ}\text{C}$ - $45^{\circ}\text{C}$ , and do not use it if the environment temperature is excessively low or high.



Please recharge PRIME 750 under the environment of  $0^{\circ}\text{C}$ - $35^{\circ}\text{C}$ .  
Recharging PRIME 750 above  $35^{\circ}\text{C}$  may cause overheating or fire.



Please do not recharge PRIME 750 more than 12 hours, over-charging may shorten the service life or cause danger.



Please use the original or authorized cable or charger.



Please use the PRIME 750 between 20%-90% battery volume to achieve longer service life and better performance.



Please keep away from heat source, fire, inflammable gas or the liquid, and please do not expose to the blazing sun for long time.



Please recharge or use it at least once every four months for a longer service life.



Please keep it away from children or pets.



Please do not carry PRIME 750 aboard planes.



Unauthorized disassembly is forbidden. Violation may cause electric shock or product damage, even fire or explosion in serious situations.



Please avoid dropping PRIME 750.



Please avoid metal objects ingress.

## Warranty

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### General Warranty Conditions:

- The warranty is only valid if the product is used and handled correctly as per the instructions which is enclosed with your product. Please make sure you retain them.
- The warranty starts from the purchasing date. To make a claim under the warranty you must present the original invoice or sales receipt as evidence of your purchase.
- If any fault or failure happens, please contact our distributors or agencies and they will arrange the repair or replacement according to local laws or regulations.

### Warranty Exclusions:

- Warranty period exceeded.
- No valid purchase voucher (like invoice, etc.) can be provided, or the voucher was modified without authorization, or the writing on the voucher cannot be recognized.
- Repaired or modified by unauthorized agency or individual.
- Provided accessories missed.
- Damage caused by using the unauthorized accessories, like unauthorized charger.
- Damage caused by improper transportation, usage, operation, or storage.
- Damage caused by force majeure, like lightning, abnormal voltage, flood, fire, natural disaster, or accidental breakage, etc.
- Damage caused if PRIME 750 is used in territories where our product is not intended to design & produce for.

## Disposal

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Waste electrical equipment is not worthless! With environmentally responsible disposal, valuable raw materials can be reused and the environment protected. POWEROAD PRIME 750 must not be disposed of in domestic waste. Please dispose of batteries and electronic goods in accordance with local regulations.

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Please contact us or visit our website for help or more information.

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