

# USER MANUAL

ECOBXX®  
4  
POWER|FREE



**Solar Power Generator  
EB150P**

## Safety Instruction



### **CAUTION!**

- BEFORE USING YOUR ECOBOXX FOR THE FIRST TIME, GIVE IT A FULLY CHARGE.
- PLEASE CHARGE ECOBOXX EVERY THREE MONTHS TO KEEP THE BATTERY HEALTH.
  - DO NOT alter or remove the factory plates and identification labels.
  - DO NOT disassemble the device.
  - Do not place the unit close to or in a fire or expose it to heat.
  - Do not use or store the unit in a bathroom or in an area expose to rain or moisture.
  - Do not connect the output to mains power under any circumstances.
  - Do not touch the unit or the plug in points if your hands are wet
  - Do not connect any metallic objects to the AC input or output
  - Do not dispose the unit together with household waste
  - Do not use any inappropriate or damaged power cords
  - Do not move the unit if it is recharging or in use.
  - Do not operate the unit above the specified input voltage
  - Do not charge the unit via power supply systems that operate outside 100-240V
  - Do not use the unit if it is not functioning correctly.
  - Do not place the unit upside down while in use or storage.
  - Use and store the unit only in a clean and dry environment.
  - Check the unit prior to every use, Do not use the unit if it is a damaged broken
  - Keep the unit away from children. Do not let children use the device
  - Keep this product away from pets
  - Unplug the power cord from the socket during the storm.

- If rust, odors, overheating or other abnormal circumstances are observed, stop using the unit immediately and contact the dealer
- The unit complies with all legal requirements for transport of dangerous goods
- Make sure the unit is properly secured when transporting it in a motor vehicle
- Only charge, use and store the unit within the temperature of 0 to 40 degree C.
- Switch the unit off immediately if it has accidentally fallen, dropped or expose to vibrations
- Read the instruction of the electronic device before you want to connect it to this unit.
- Make sure to switch off the electronic device before you connect to this unit.
- Avoid Extreme temperature
- Avoid Dropping
- This product is not waterproof, do not expose to liquids
- Please dispose batteries and electronic goods in accordance with local regulation
- Use original or certificated charger and cables

## Warranty

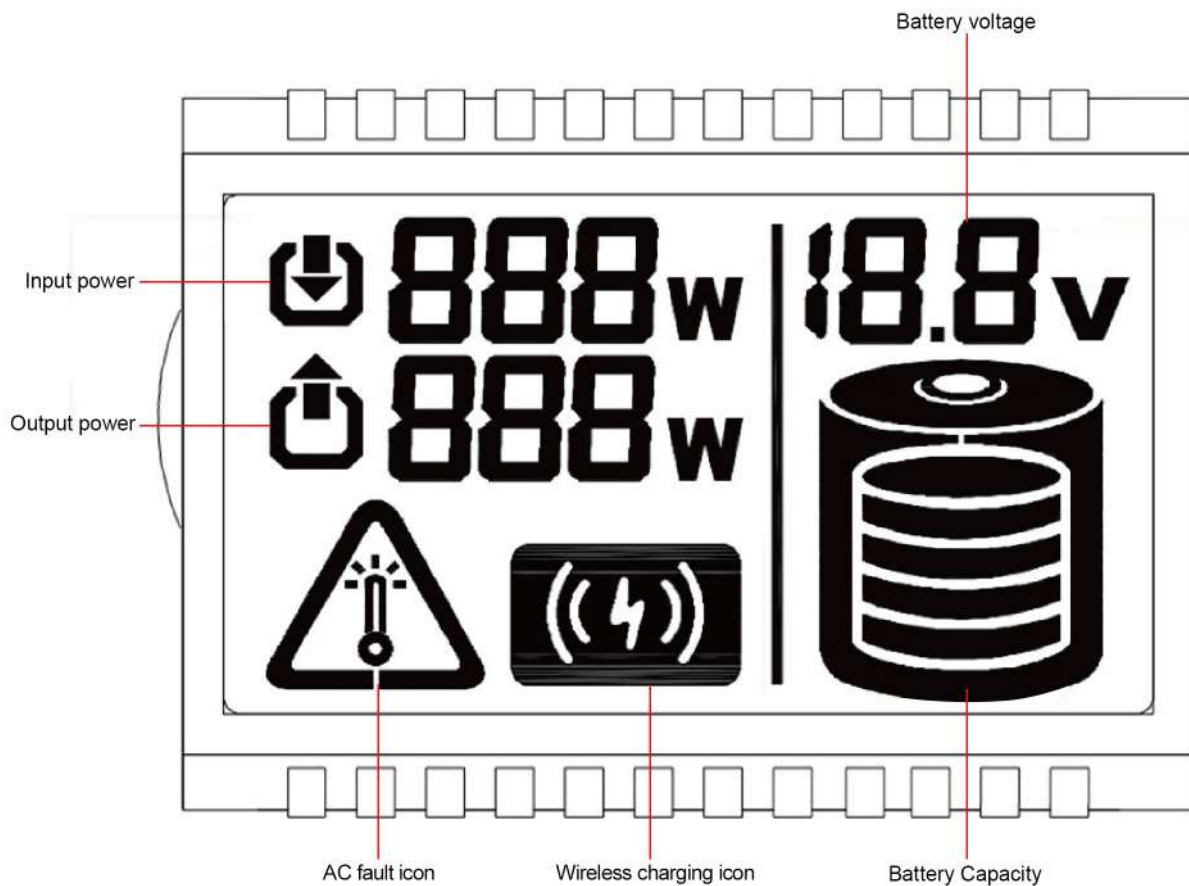
- Warranty period is 12 months and measured starting on the date of purchase by the original customer purchaser.
- Provista will repair or replace any Provista's product falls to operate during the applicable warranty period due to defect in workmanship or material.
- If a valid claim is made during the applicable period. Provista will replace the product and assumes the remaining warranty of the original product or 90 days from the date of replacement, whichever is greater. Customer is responsible for the return shipping cost.
- Exclusion : Provista's warranty does not apply to
  - Any product that is misused, abused, modified, damaged by accident
  - Used for anything other than normal consumer use as authorized in Provista's current product literature
- To obtain warranty service, please contact our customer service at [sales@provistahk.com](mailto:sales@provistahk.com)

## Overview

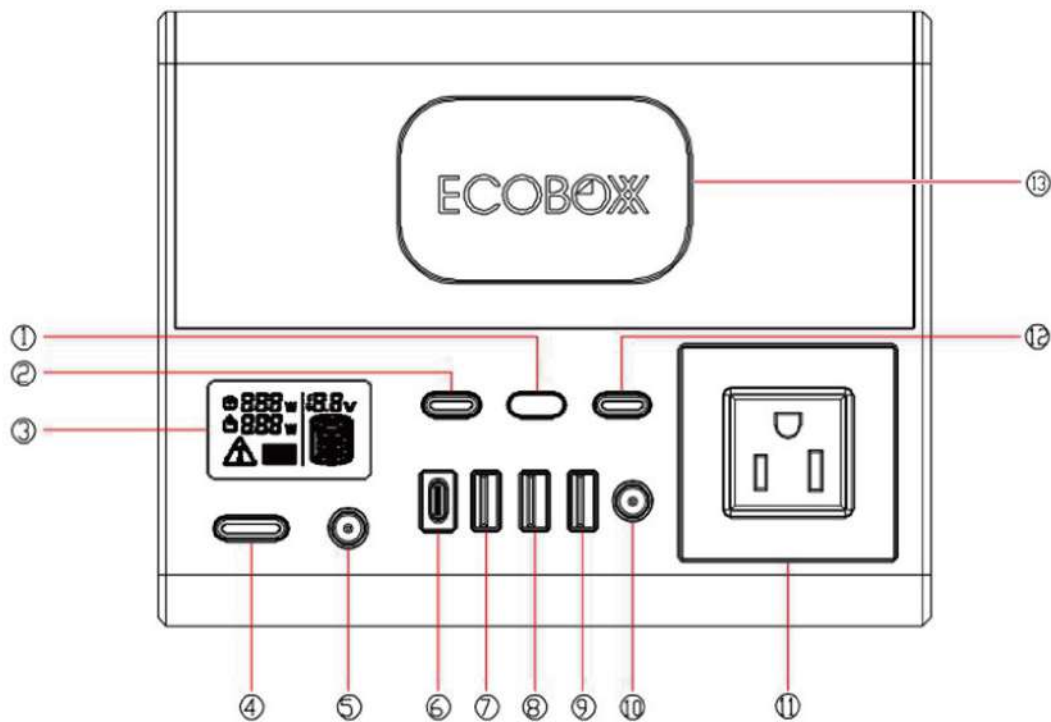
EB150P is a solar power generator with various AC and DC power output, a powerful device to power up and charge both DC and AC devices, such as smart phones, tablets, small TV's & fans. The featured function of solar energy harvesting further enhances the product to make use of green and clean energy without completely relying on the current power grid.

EcoBoxx has overcurrent protection, under-voltage and over-voltage protection is fully implemented.

## LCD Display



## Control Panel



1. **COB LED Button:** When EB150P power on , press LED button to turn on LED light, press it again to switch between low LED and high LED. Keep pressing the button, LED light will flash.
2. **Wireless Charging Button:** Press to enable the wireless charging, press again to switch off. Green LED will be on when it is working properly. Red LED will be on when a charging problem.
3. **LCD Display:** It shows the battery voltage, Input/output power, and false alarm.
4. **Power Button:** Press to turn on all the DC output port (USB/Type C/DC jet). LCD backlight will be turned on for 20s. Long press 3s to power off the unit.
5. **Charging Port:** Can be charged via the AC adapter, Car charger cable or Solar Panel (Solar panel NOT included in the box, pls make sure the solar panel plug/conversion plug dimension @ 5.5/2.5mm, length 12mm) .The battery ICON of the LCD display will be rolled during charging and it stops rolling when it is fully charged.

6. **TYPE-C port:** Support 5~20V, 3A, with max 60W input; And, it also support 5V/9V/12V/15V/20V, 3A, with max 60W output (No reminder when over current/short circuit , plug in again with the right load, it will work properly.)

7.**QC3.0 USB port.** Support 5V/9V 3.0A output. (No reminder when over current/shortcircuit , plug in again with the right load, it will work properly.)

8/9. **Standard USB port.** Support 5V 2.4A output. (No reminder when over current/short circuit , plug in again with the right load, it will work properly.)

10. **DC Jack:** Support 12V 7A output. (No reminder when over current/short circuit , plug in again with the right load, it will work properly.)

11. **AC socket:** Support 110V/230V, 120W modify sine wave output.




12. **AC power button:** Press to enable the AC power socket, press again to switch off.

Green LED will be on when it is working properly. Red LED will be on when overload protection, short circuit protection, low battery voltage protection.

13. **Wireless charging coil:** Put mobile phone on this place for charging, and make sure the mobile phone's charging coil in the range of EB150P wireless charging coil.

**Remark:** When battery voltage <8.7-9V, EB150P will be enter sleep after 5 minutes, When battery voltage  $\leq$  8.6V, will be enter sleep immediately, Inverter opening less than 5W output, inverter closing less than 1W output,4 hours automatically enter sleep,(Do not sleep when you turn on LED lighting/wireless charging.)standby current <2mA.

In the box

Item	Description	Qty
A	 Main Unit	1
B	 AC Adapter	1
C	 User manual	1
D	 Car Charger cable	1

**\*ABOVE PARTS AND ACCESSORIES PHOTOS AND LIST ONLY FOR REFERENCE AND THE FINAL PACKAGE IS SUBJECT TO CHANGE BY REGIONAL REQUIREMENT.**



## Technical Specifications

Description	Specification
Solar input range	10V~27V
Max input current	3A
Max input power (5.5mm charging port)	40W
Adaptor output	12V/3A
Battery Capacity (Lithium battery)	11.1V,13.2Ah, 146.52Wh
Standby current	2mA
Min.battery charging voltage	5V
Max.battery charging voltage	12.5V
Low battery protection	9V
Recover battery voltage	10V
Orange USB port x 1 output	5V/9V/3.0A max.
White USB port x 2 output	5V/2.4A max.
Type-C PD port x1 input/output	Input: 5~20V, 3A/60W max. Output: 5/ 9/12/15/20V,3A/60W max.
5.5mm DC output	12V/7A max.
AC output x1 (Modified Sine Wave)	110V~60Hz (US), 120W max. 230V~50Hz (EU), 120W max.
AC overload protection	150W±30W
Qi Wireless Charging	10W max.
COB LED light	300mA max.
Dimension of Main unit( L x W x H )	181x144x55mm
Weight of Main Unit ( without panels )	1.4kgs

## **FCC Warning**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Note:** The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and it's antenna(s).

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