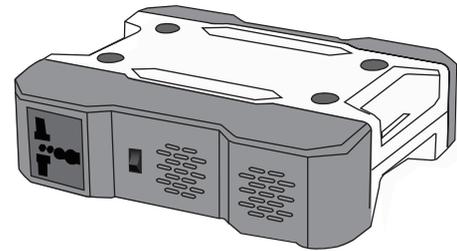


**Bioenno120 Power Pack**  
USER GUIDE



**120**  
Whr  
Li-ion battery

**100**  
Watts  
Inverter



**Bioenno120 Power Pack**  
BPP-120

CONTACT US:

+1 888 336-7864 or +1 714 234-7363  
sale@bioennopower.com  
www.bioennopower.com

Please read this guide before you use your gear!

www.bioennopower.com

**► Technical Specifications**

Battery Type: Li-ion Battery  
Battery Capacity: 12V, 10Ah (120 Whr)  
Battery Voltage Range: 12±2V  
Life-span: > 1000 cycles

Inverter Type: Modified sine wave inverter  
Inverter Efficiency: >85%  
Inverter Power: 100W Max  
Inverter Voltage/Frequency: 110VAC / 60 Hz

**Input Ports:**

DC Port: 15V/3A Max

**Output Ports:**

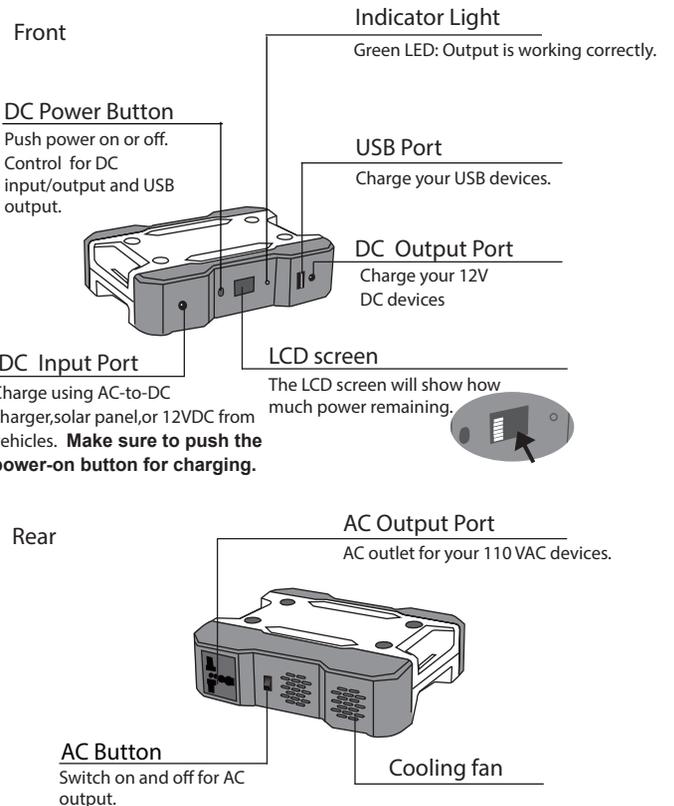
USB : 5V/2.1A Max.  
DC : 12V/5A Max.  
AC: 110VAC/60Hz (100W Max.)

**Operating Temperatures:**

Optimal Operating: -20°C ~ 50°C  
Optimal Storage : -10°C ~ 30°C

**Usage:** Make sure to charge the unit every 2 weeks.

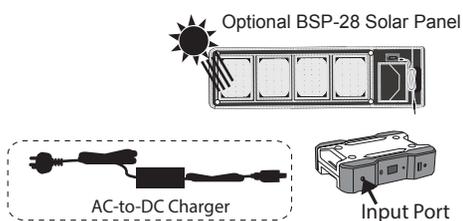
**► Functional Overview**



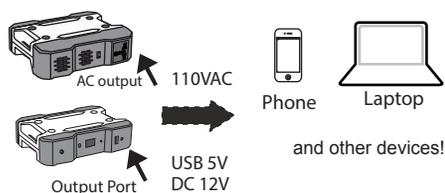
► **How to fully charge your power pack?**

To charge, press the DC power on button and attach the AC-to-DC charger or optional 28 Watt solar panel.

Charge Using	Approx. Charge Time
AC-to-DC Charger (Included)	~4 h
28 Watt Solar Panel (BSP-28 [Optional])	5~15h



► **How to use the Bioenno120 Power Pack to charge DC, USB, or AC devices?**



► **Troubleshooting:**

Q. Why will the Power Pack not charge?

A: Make sure to use the included AC-to-DC charger.

For charging using the solar panel, use only the BSP-28 panel.

Q. Why does the screen turn off when the Power Pack is fully charged?

A: The Power Pack automatically turns the screen off to save power. Restart the Power Pack and the screen should turn on.

Q. Why will the Power Pack not turn on when DC Button is pressed?

A: The battery voltage may be too low. Attach the AC-to-DC charger to the DC **output** port. Plug the AC-to-DC charger to an AC outlet for 1 minute. This will reset the unit and provide enough power to the batteries to allow it to turn on. Then attach the AC-to-DC charger to the DC **input port** and charge for 4 hours.

Q. Why is there no output from the "DC Output" port after the unit is turned on, when the Power Pack has been operating normally?

A: Confirm that the load does not exceed the 12V/5A rating. If the load current is more than 5A, the Power Pack's automatic protection feature will activate. Use a load that consumes less power. Reset your Power Pack and it should then function normally.

► **Notes:**

1. The Power Pack is suitable for short term, temporary power.
2. Please use only our recommended charger and/or solar panel.
3. We do not suggest connecting the Power Pack to high current loads for extended periods.
4. We recommend that total output does not exceed 100W.
5. Keep your Power Pack away from fire, heat, flammable and/or combustible products.
6. Avoid any improper connections that may cause short circuits.
7. Do not leave Power Packs in areas where temperatures exceed 104F (40C), as this may cause the battery life to deteriorate faster than normal.
8. Do not use your Power Pack with wet hands or in wet conditions.
9. Always turn off the Power Pack when not in use.

► **Items included:**

No.	Name	Quantity
①	Bioenno120 Power Pack (BPP-120)	1pc
②	Female Cigarette Adapter	1pc
③	AC-to-DC Charger	1pc