

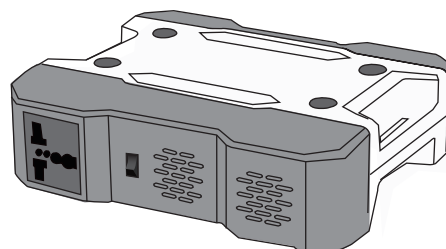
Bioenno120 Power Pack USER GUIDE



Bioenno Power®
www.bioennopower.com

120
Whr
Li-ion battery

100
Watts
Inverter



Bioenno120 Power Pack
BPP-120

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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

Front

DC Power Button

Push power on or off.
Control for DC
input/output and USB
output.

DC Input Port

Charge using AC-to-DC
charger,solar panel,or 12VDC from
vehicles. **Make sure to push the
power-on button for charging.**

Indicator Light

Green LED: Output is working correctly.

USB Port

Charge your USB devices.

DC Output Port

Charge your 12V
DC devices

LCD screen

The LCD screen will show how
much power remaining.

Rear

AC Output Port

AC outlet for your 110 VAC devices.

AC Button

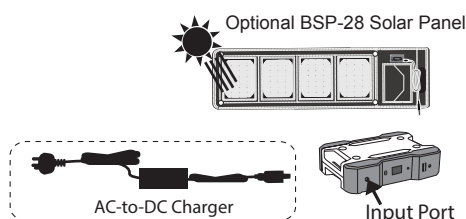
Switch on and off for AC
output.

Cooling fan

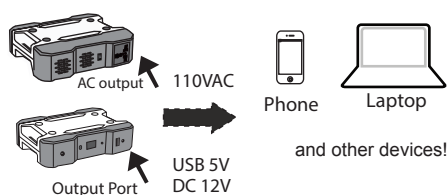
►How to fully charge your power pack?

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 104°F (40°C), 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