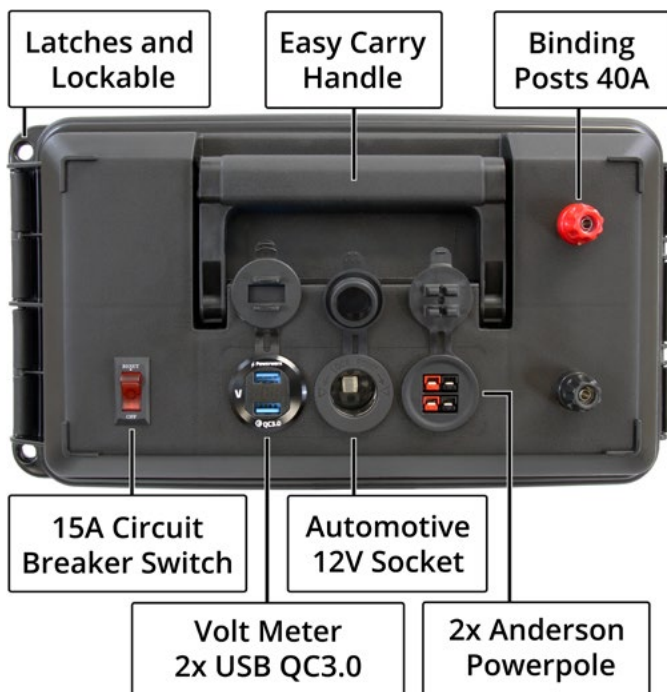


Portable Power Boxes for Bioenno Power LiFePO4 Batteries

Congratulations on purchasing the PWRbox / MEGAbox by Powerwerx. These portable power boxes are ideal for charging phones, tablets and DC powered devices such as 12V air mattress compressors, two-way radios, etc. If the power goes out or you are camping in a remote location, these power boxes are ideal to keep your favorite toys all powered up. While these boxes are designed for customers using the Bioenno (LiFePO4) batteries, other 12V battery brands may be used. The customer is responsible for ensuring their battery fits in the box and obtaining the proper connection cable from the box to the battery.

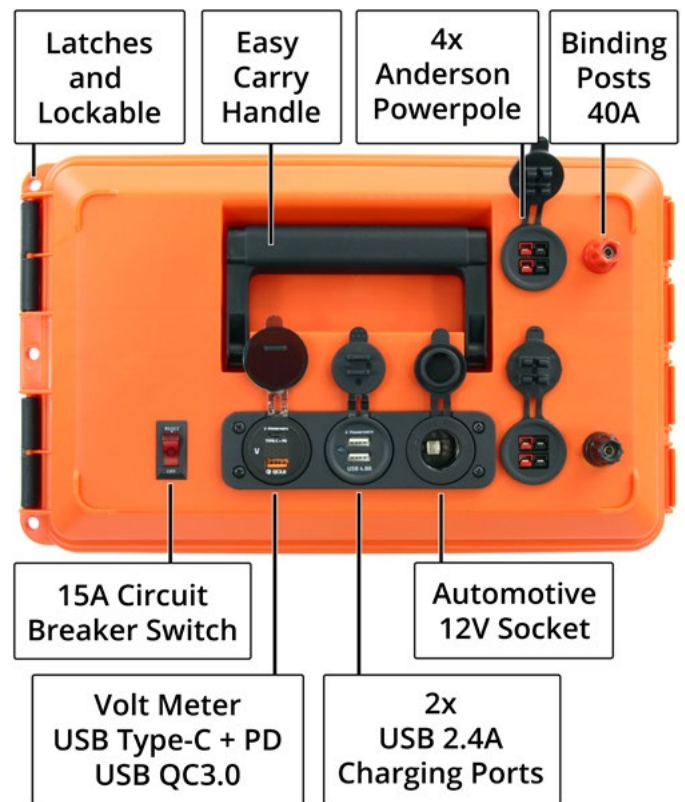
Battery Installation

1. Determine the optimal mounting position for your battery. **Tip: Position the battery terminals as close to the PWRbox lid hinge as possible. Consider mounting the battery in the middle to evenly distribute the weight, making it easier to carry.**
2. Use the supplied double-sided Velcro. Remove only one side of the adhesive protective cover and apply to the bottom of the battery.
3. Next, remove the adhesive protective cover on the other side of the Velcro strip and firmly press the bottom of the battery to the bottom of the PWRbox, applying firm pressure for 30 seconds.



Battery Connection

- **PWRbox - Bioenno Power LiFePO4 Battery with 30A Powerpole connector for the (12A, 15A, 20A batteries).** Connect the PWRbox fused red/black Powerpole connector to the Bioenno battery's red/black Powerpole connector.
- **PWRbox - Bioenno Power LiFePO4 Battery with gray SB50 Powerpole connector (30A, 40A batteries)** Connect the PWRbox fused gray SB50 connector to the Bioenno battery's gray SB50 connector.
- **MEGAbox - Bioenno Power LiFePO4 Battery with gray SB50 Powerpole connector (30A, 40A, 50A, 60A, 70A batteries)** Connect the MEGAbox fused gray SB50 connector to the Bioenno battery's gray SB50 connector.
- **Customer Supplied Battery** When connecting a battery other than Bioenno, the customer will have to make their own connection cable from the box to the battery.



Connecting the Battery Charger

- **Bioenno Power LiFePO4 Batteries: BLF-1212A (12Ah), BLF-1215A (15Ah), BLF-1220A (20Ah)**
A Bioenno 4-amp battery charger (BPC-1504DC) is recommended for charging these battery models. Connect the Bioenno battery charger's coaxial (round) DC power plug to the Bioenno battery's coaxial DC power socket. The PWRbox provides enough room to store the compatible Bioenno Power battery charger next to your battery.
- **Bioenno Power LiFePO4 Batteries: BLF-1230A (30Ah), BLF-1240A (40Ah)**
A Bioenno 6-amp battery charger (BPC-1506DC) is recommended for charging these battery models. Connect the Bioenno battery charger's red/black Powerpole connector to the top of the Power box using the top mounted Powerpole connectors.
- **Bioenno Power LiFePO4 Batteries: BLF-1250A (50Ah), BLF-1260A (60Ah), BLF-1270A (70Ah)**
A Bioenno 10-amp battery charger (BPC-1510DC) is recommended for charging these battery models. Connect the Bioenno battery charger's red/black Powerpole connector to the top of the Power box using the top mounted Powerpole connectors.

Operation

Both power boxes have a top mounted red backlit circuit breaker switch. This switch is rated at 15 amps maximum and switches power to the blue digital voltmeter, USB charging ports and the automotive (12V) socket. The voltmeter and USB charger draw a small parasitic load on the battery even when not in use. **For this reason, it is recommended that you turn this red toggle switch off when not in use.** The red/black binding posts on the top of box and Powerpole connectors are always hot and fused directly to the battery. These connections have a combined maximum rating of 25 or 40A depend on the model.

Use the built-in voltmeter as a guide to your battery's status:

Bioenno Power Batteries:

14.5 ~ 13.3 Volt..... Battery Charged/Good
13.2 ~ 12.6 Volt..... Battery Medium
12.5 ~ 11.5 Volt..... Recharge Battery

Battery Charging

It is recommended that you initially charge your new power box battery for 4-10 hours (depending upon battery and charger selection) before use. We also recommend you fully charge your Power Box at least once a month to maintain the charge. You may also safely leave the recommended Bioenno battery charger connected continuously to your Power Box if you prefer. After using your Power Box, it is always recommended you recharge the battery before storage.



MEGAbattery LED Light

MEGAbattery includes a built-in LED work/strobe light. The left switch above the LED light turns the light On/Off. The momentary switch above the light allows you select different flash patterns when on. A solid LED light mode is also available for use as a work light.

Specifications

- PWRbox includes: On/Off circuit breaker switch, 2-USB charging ports, 12V socket, digital voltmeter, 2-Powerpole connectors, red/black binding posts. Maximum Interior Dimensions: 6 in. H, 5.94 in. W x 11.0 in. L (152.4 mm x 150.9 mm x 279.4 mm).
- MEGAbattery includes: LED light w/ selectable flash patterns, On/Off circuit breaker switch, 4-USB charging ports (Including (1) USB-C), 12V socket, digital voltmeter, 4-Powerpole connectors, red/black binding posts. Maximum Interior Dimensions: 6.5 in. H x 6.375 in. W x 11.5 in. L (165.1 mm x 161.9 mm x 292.1 mm)

Tips

Always switch the top red power switch off when not in use. Close dust covers on the automotive socket, USB charge ports and Powerpole connectors when not in use. Keep the power box away from water and rain as it is not designed to be waterproof. Also, do not use to jump start a vehicle.

Troubleshooting

Unit will not turn ON

- Check and replace the internal ATO blade battery fuse with the same rating if needed, retry.
- Recharge battery for 4-6 hours and confirm at least 13.4 volts.

Red breaker Switch trips OFF

- Reduce current draw going through cigarette socket, retry.
- Disconnect all loads and check for short circuits.