

12V Rechargeable Battery Pack for Ballistic Shield

User Manual

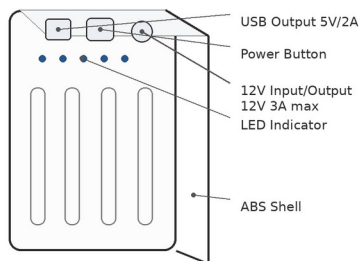
Charging | Power Output | Maintenance | Safety

DC Input/Output	USB Output	Max DC Load	Shell
12V	5V / 2A	12V / 3A max	ABS

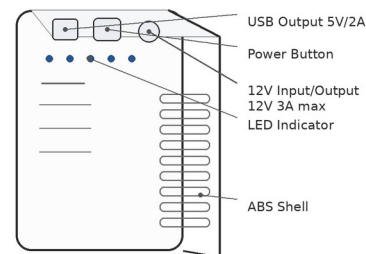
1. Product Overview

This 12V rechargeable battery pack is designed to power compatible 12V devices and provide auxiliary USB charging for small electronics. It includes a power button, LED capacity indicator, 12V input/output port, USB output port, and durable ABS shell. Use only compatible adapters, cables, and devices within the electrical ratings shown in this manual.

Battery Pack Diagram - Standard Shell



Battery Pack Diagram - Rugged Shell



2. Package Contents

- 12V rechargeable battery pack
- Male-to-male DC connector cable
- Compatible charging power adapter
- This user manual






3. Controls and Indicators

Feature	Function	Operating Note
Power Button	Turns the battery pack on or off.	Press and hold briefly until the LED indicator responds.

Read all instructions before use. Retain this manual for future reference.

LED Indicator	Displays approximate remaining charge.	Use as an estimate only; actual runtime depends on load.
12V Input/Output	Used for charging the pack and powering compatible 12V devices.	Maximum 12V / 3A. Do not exceed device rating.
USB Output	Provides 5V / 2A output for compatible USB devices.	USB output does not charge the battery pack.
ABS Shell	Protects the internal battery and electronics.	Keep dry and avoid impact, crushing, or excessive heat.

LED Battery Indicator

 0%	 25%	 50%	 75%	 100%
All LEDs off	1 LED on	2 LEDs on	3 LEDs on	4-5 LEDs on

Note: LED behavior may vary slightly by production model. Use the indicator as an estimate of remaining capacity.

4. Operating the Battery Pack

Turn on: Press the power button. The LED indicator should activate and show the approximate battery level.

Connect device: Connect the compatible 12V device using the DC connector cable, or connect a USB device to the USB output.

Monitor load: Confirm that the connected device is within the rated output. Disconnect immediately if the battery pack becomes hot, emits odour, swells, leaks, or behaves abnormally.

Turn off: After use, disconnect all devices and turn the battery pack off to preserve charge and service life.

5. Charging the Battery Pack

1. Connect the supplied power adapter to the battery pack input/output socket.
2. Plug the power adapter into a suitable wall outlet.
3. Make sure the battery pack is turned ON. If the pack is off, it will not charge.
4. When charging is complete, turn the battery pack off, unplug the adapter from the wall outlet, and remove the DC jack from the battery pack.

Important: Use only a power adapter with the same voltage output as specified for this battery pack. Do not use damaged cables or adapters. Do not charge unattended or near flammable material.

7. Maintenance and Storage

- Keep the battery pack dry. Moisture can cause corrosion and electrical failure.
- Store in a cool, dry area when not in use.
- Turn the battery pack off during storage and transportation.
- For optimal battery health, recharge at least once every three months during long-term storage.
- Keep the battery pack and accessories away from small children.
- Do not modify, disassemble, puncture, crush, or burn the battery pack.
- Do not expose the battery pack to extreme heat, direct sunlight for extended periods, or freezing conditions.
- Handle with care. Do not drop, throw, or subject the pack to heavy impact.

8. Troubleshooting

Issue	Likely Cause	Action
Battery does not turn on	Battery is fully discharged or power button not engaged	Charge the pack fully and press the power button again.
Device does not power on	Wrong cable, device exceeds rating, or battery is off	Verify cable, confirm device rating, and turn battery pack on.
Charging LED does not activate	Adapter not connected, wrong adapter, or battery is off	Check wall outlet, adapter, DC plug, and power status.
Short runtime	Battery not fully charged or connected load is high	Recharge fully and reduce load if possible.
Heat, odour, swelling, leakage	Potential battery fault	Stop use immediately. Disconnect safely and contact the supplier.

9. Safety Notices

- ⚠ Use this product only for compatible low-voltage devices within the listed electrical ratings.
- ⚠ Do not short-circuit the terminals. Keep metal objects away from connectors.

- ⚠ Do not use or charge the battery pack if it is damaged, swollen, leaking, unusually hot, or has been exposed to water.
- ⚠ In case of battery fluid contact with skin or eyes, rinse immediately with clean water and seek urgent medical assistance.
- ⚠ Dispose of the battery pack according to local battery recycling and electronic waste regulations. Do not place in household trash where prohibited.

10. Specifications

Parameter	Rating / Description
Battery type	Rechargeable battery pack
DC input/output	12V, 3A maximum
USB output	5V, 2A
Shell material	ABS
Operating environment	Dry indoor or protected outdoor use only
Storage recommendation	Cool, dry area; recharge every 3 months

Supplier / Warranty Information

For product support, warranty service, or replacement accessories, contact your supplier. Keep purchase documentation for warranty validation.