

BLACKBOXMYCAR
POWERCELL 5
LiFePO4 Battery Pack



User Manual

For in-house support & response within 24 hours, please contact info@blackboxmycar.com with any questions.

This product is an external power supply, which is used to provide extended dash cam recording when the vehicle is parked, without depleting or damaging the vehicle's battery. This manual outlines the basic steps required to install and use the external battery.

The specifications listed in this manual are subject to change without advanced notice.

POWERCELL 5 BATTERY **PACKAGING LIST**

What's included:

- BlackboxMyCar PowerCell 5 Battery Pack
- Hardwiring Input/Output Cable
- Socket Output Cable with Integrated Hardwiring Input
- Cigarette Socket Input Cable (12V Power Cable)
- One of Each Add-a-Fuse for Battery Packs (ATO, Low-Profile, Micro2, Mini)
- Crimp Sleeves (x3)
- Velcro Strips (x2)
- User Manual





POWERCELL 5 BATTERY

HOW BATTERY PACKS WORK

When your vehicle is running, the ACC power source charges the PowerCell 5 battery pack, which then powers your dash cam. When the vehicle is turned off, ACC power stops and the PowerCell 5 seamlessly takes over using its stored energy to continue powering your dash cam.

The PowerCell 5's built-in voltage detection system automatically senses when your vehicle's engine starts and stops, allowing your dash cam to intelligently switch between driving and parking recording modes without manual intervention.



POWERCELL 5 BATTERY

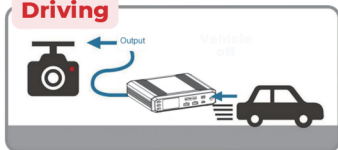
KEY BENEFITS

Unlike conventional installations that draw power directly from your vehicle's main battery, the PowerCell 5 provides significantly longer parking mode recording time while preventing drain on your vehicle's main battery. This ensures reliable engine starts and extends your car battery's lifespan.

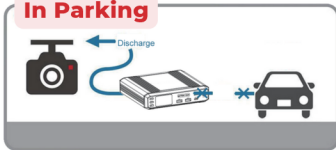
The PowerCell 5 eliminates the risk of electrical damage to sensitive automotive systems, including the ECU and factory security systems, through its isolated power delivery design. This approach also simplifies installation compared to traditional hardwiring methods while providing superior power management.

The PowerCell 5 keeps your dash cam running reliably while protecting your vehicle's electrical system and main battery.

Driving



In Parking



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POWERCELL 5 BATTERY

PRODUCT SPECIFICATIONS

- **Product Name:** BlackboxMyCar PowerCell 5 Battery Pack
- **Product Material:** Aluminum alloy, flame-resistant ABS+PC
- **Screen Display:** 1.65" HD-LCD
- **Battery Type:** LIFEPO4
- **ACC Input:** 12V/4-8A
- **DC Input:** 12V/4-8A
- **ACC Output:** 12V/3A
- **USB Output:** Max 20W
- **Type-C Input/Output:** Max 45W
- **Shutdown Timer:** 1-24 hours
- **Additional Features:** LED Emergency Light



POWERCELL 5 BATTERY

POWER DURATIONS

4000mAh Capacity*

- Single channel dash cam: 30+ hours (1.7W consumption)
- Dual channel dash cam: 16+ hours (3.2W consumption)

*The actual use time may vary depending on the dash cam and its settings.

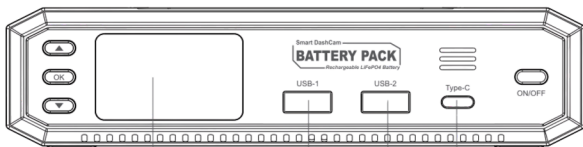


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TERMINAL CONTROLS



LCD

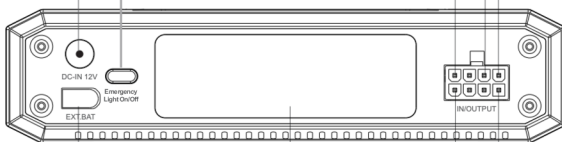
USB Output

Type-C Input/Output

Cigarette Lighter Input

ACC Output

Emergency Light Button

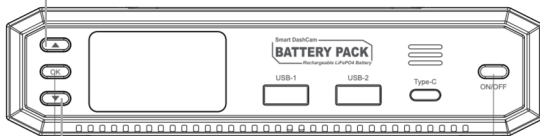


Expansion Port

LED Emergency Light

ACC Input

UP Button



OK Button

Down Button

Power Button



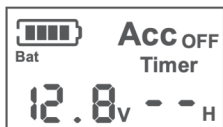
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1 Power Control

Press and hold the ON/OFF button for 1 second to turn on the battery pack. Long press the button again for 1 second to turn off the battery

2 Enable ACC Output

When powered on, long press the ▲ button to turn on ACC output function. This activates continuous recording mode on your dash cam.



3 Disable ACC Output

When powered on, long press the ▼ button to turn off ACC output function. This switches your dash cam to parking mode.

4 Timer Settings

Press the OK button briefly to enter timer setting mode, then press OK again to confirm and exit.

While in timer mode, use the ▲ and ▼ buttons to adjust the timer within 1-24 hours. When the display shows "--", the timer function is disabled.



5 Charging Speed Control

The battery defaults to low-speed charging. To switch to high-speed charging, simultaneously long press OK and ▲ buttons (screen displays flashing "H").

To return to low-speed charging, simultaneously long press OK and ▼ buttons (screen displays flashing "L"). The charging indicator (H or L) remains visible during charging.





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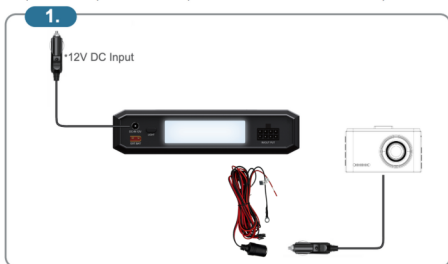
INSTALL OPTIONS

Please ensure the battery pack is **OFF** before installation.

Option #1

Charging Method: Cigarette Lighter Socket

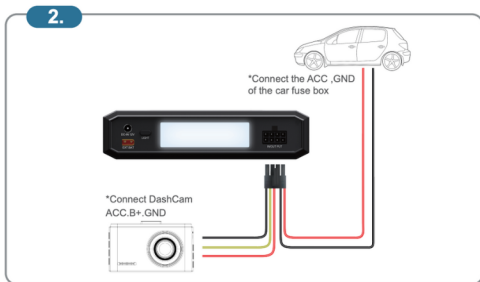
Cigarette Lighter Socket Connect to your vehicle's 12V socket for power. Note that the cigarette lighter must only provide power when the vehicle is running. If it still provides power when the vehicle is off, hardwiring is recommended.



Option #2

Charging Method: Fuse Box ACC Input Cable

Direct connection to vehicle's fuse box. Please ensure you select a suitable ACC fuse rated for at least 10 amps. Working with an experienced technician or installer is recommended.



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BATTERY PRECAUTIONS

1 Installation & Use

Use only manufacturer-provided cables when installing. Keep away from children and pets at all times.

2 Storage & Environment

Store away from direct sunlight, high temperatures, microwaves, and high-pressure areas. Avoid electrostatic environments that may interfere with circuit protection functions.

3 Physical Protection

Protect from impact, water, and liquids. Never attempt to repair, modify, disassemble, or drill the battery. Do not use power tools on the unit.

4 Safety Signs

Replace immediately if you notice unusual odors, swelling, or any physical deformation during use.

5 Electrical Safety

Keep charging cable terminals away from conductive objects to prevent short circuits.

6 Disposal

Do not burn or casually dispose of battery. Follow local regulations for proper battery disposal.

7 Maintenance Tip

Charge battery at least once per month to maintain optimal performance.



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PRODUCT WARRANTY

The product warranty is 1 year from the purchase date. If the product fails during normal and correct use within the warranty period, our service center will repair or replace the product free of charge.

Any disassembly, modification, or alteration of the product will void the warranty. The cost to repair or fix any malfunction or problem caused by incorrect usage during the warranty period may be charged to the consumer.

The manufacturer shall not be held responsible or liable for any loss or damage caused by incorrect use of the product.



Customer Service

Manufacturer: EnergyWell

Address:

- JJH USA Trading Company Inc.
- 8 The Green #7041
- Dover, DE 19901
- United States

Email: info@blackboxmycar.com

Phone: (888) 978-6560

Website: blackboxmycar.com



Customer Service

Manufacturer: EnergyWell

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