



Power Magic Ultra Battery B-130X

User Manual



ENGLISH / NEDERLANDS /
NORSK / SUOMI / SVENSKA /
العربية / 中文

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BLACKVUE

POWER MAGIC ULTRA BATTERY B-130X

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Voor de nieuwste versie van de handleiding en klantenservice, gaat u naar www.blackvue.com

Du finner den nyeste utgaven av brukermanualen og kundesupport på nettstedet www.blackvue.com

Katso käyttöoppaan uusin versio ja ota yhteyttä asiakaspalveluun siirtymällä osoitteeseen www.blackvue.com

För den senaste versionen av manualen och kundtjänst, gå till www.blackvue.com

สำหรับคู่มือผู้ใช้และการสนับสนุนลูกค้าเวอร์ชันล่าสุด โปรดไปที่ www.blackvue.com

للحصول على أحدث إصدار من دليل التعليمات ودعم العملاء، انتقل إلى www.blackvue.com

FCC Compliance Information

FCC Part 15.19 Statements

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Part 15.105 Statement (Class B)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Part 15.21 Statement

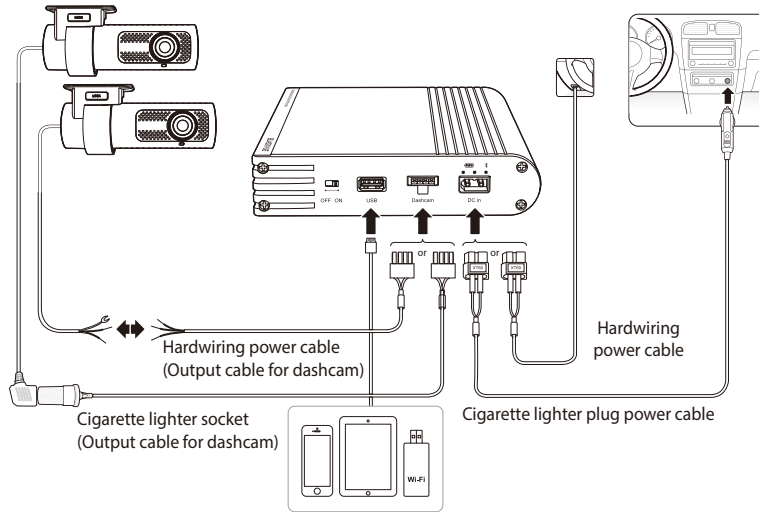
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

MPE

The antenna(s) must be installed such that a minimum separation distance of at least 20 cm is maintained between the radiator (antenna) and all persons at all times. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

► BlackVue Power Magic Ultra Battery B-130X

The Power Magic Ultra Battery is designed to power your BlackVue dashcam in Parking Mode for extended periods of time without using your vehicle's battery.



► Safety instructions

Incorrect use of the Power Magic Ultra Battery can lead to poor performance and may cause overheating, ignition, explosion, etc. To use the product correctly please observe the following directions:

- Familiarize yourself with the contents of the user manual before using the product.
- Only use original BlackVue cables provided by the manufacturer. For replacements contact customer support or your nearest distributor.
- Only use the product to power a dashcam.
- Do not expose the product to direct sunlight or heat.
- Do not expose to high temperatures.
- Do not use a cigarette lighter multi-socket splitter (adapter) with the product.
- Do not put the product in a microwave oven or place it in a high-pressure environment.
- Do not repair or modify the product yourself.
- Do not throw the battery or subject it to any physical shock.
- Do not disassemble, compress or puncture the product.
- Do not use the product in an electrostatic environment as it can affect the operation of the battery protection circuitry.

- If the product emits an unusual odor during use, unplug it immediately and contact customer support or your nearest distributor.
- If the battery swells up, immediately discontinue using the product. Contact customer support or your nearest distributor.
- Keep the product away from children and pets.
- Do not allow metal objects to contact the terminals of the power and output cables.
- Ensure the battery does not come into contact with water or other liquids.
- Pittasoft Co., Ltd. is not liable for damage resulting from disassembling, opening or modifying the product.

► Disposal of your battery pack

1. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities. Contact local authorities to learn about disposal and recycling options available in your area.
2. Do not incinerate or expose to fire. Exposure to excess heat may result in fire or an explosion.

► Components

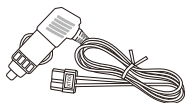
Check the box for each of the following items before installing the Power Magic Ultra Battery B-130X.



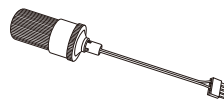
Power Magic Ultra
Battery B-130X



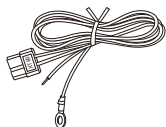
User Manual



Cigarette lighter plug power
cable



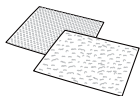
Output cable for dashcam
(Cigarette lighter socket)



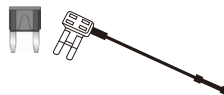
Hardwiring power cable



Output cable for dashcam
(Hardwiring power cable)

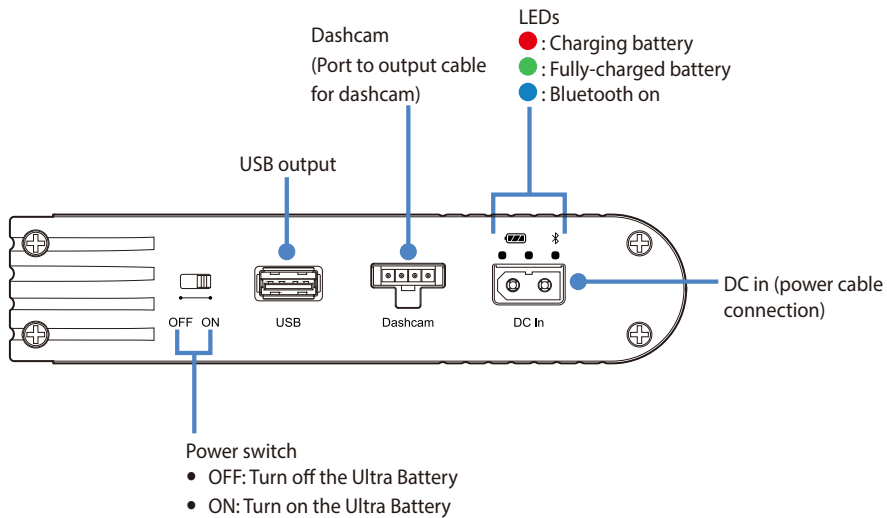
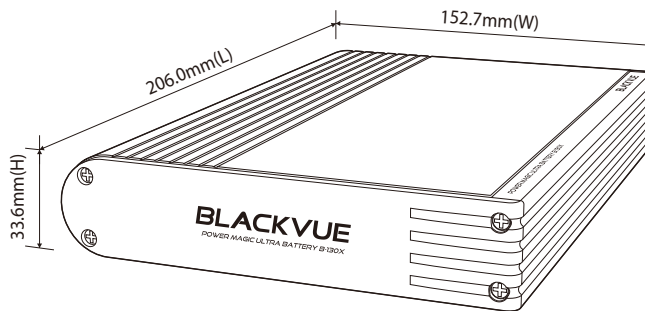


Velcro strips (2 EA)
























Fuse tap kit (3 types)

➤ At a glance



LED indicators and beeps

	LEDs	Sound alert	
Powered on	  	All 3 LEDs turn on together and then turn off one by one.	Welcome chime
Started charging	  	Red LED blinks for 5 seconds	Beeps once
Charging	  	Red LED is on	
Fully charged	  	Green LED is on	
Bluetooth connected	  	Blue LED is on	
Low input voltage warning/High input voltage warning	  	Red and Green LED blink together	Beeps twice (Repeated)
Overheated warning	  	Red LED and Green LED blink one after another	Beeps twice (Repeated)

* Beeping can be activated over Bluetooth using the BlackVue app.

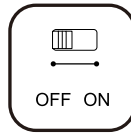
* Welcome chime and beeping sound for overheated warning cannot be muted for safety reasons.

Product features

- Approximately 30 hours of power from 50 minutes of charging by hardwired installation / 90 minutes of charging by plug-in installation (based on a dashcam that uses 3 W).
- Compatible with 2 installation methods:
 - Plug-in installation: Simply plug-in cigarette lighter plug power cable (standard 5A charging); or
 - Hardwired installation: Connect the hardwiring power cable for faster charge (rapid 9 A charging).
- Configure settings via Bluetooth with the BlackVue app.
- Compatible with both car (12 V) and heavy vehicle (24 V) electrical systems.
- Battery protection circuitry for increased safety and extended battery life.
- Simultaneously charge your Ultra Battery and power your dashcam while driving.
- Power output automatically switches to draw power from the Ultra Battery when the engine is off.
- Battery cycle life: Designed to retain more than 80% of its original capacity at 1,500 complete charge/discharge cycles.
- Temperature Cut-off functions:
 - High Temperature: Shuts down the battery's charging power if the internal temperature reaches 80°C (176°F) or above.
 - Low Temperature: Shuts down the battery's charging power if the internal temperature reaches below 0°C (32°F).
- 1 USB port (5 V) allows you to simultaneously charge another device (smartphone, mobile Wi-Fi hotspot, etc.) while powering the dashcam.

Installation guide

Set the power switch to the OFF position before installation.

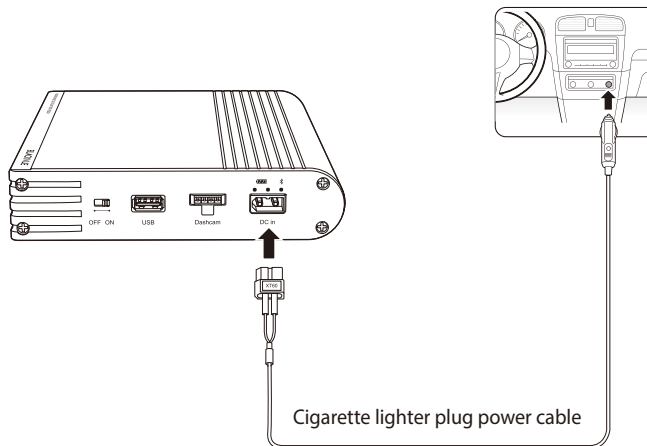


Caution

Make sure to use the genuine power cables included in the package. Otherwise, it may result in product failure, overheating, ignition, etc.

1. For a plug-in installation using a *cigarette lighter plug power cable*:

- a. Plug the *cigarette lighter plug power cable* into the Ultra Battery's **DC in** port. Plug the other end of the power cable into the vehicle's cigarette lighter socket.

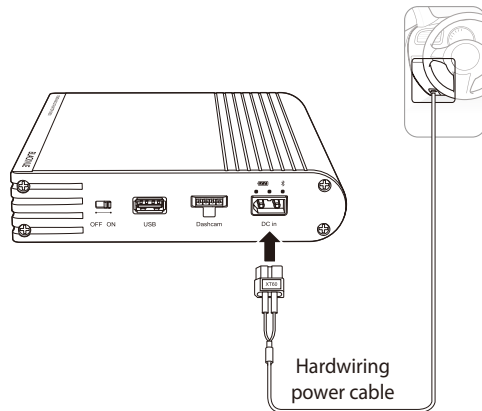


- b. Proceed to step 2.

or

1. For a hardwired installation using a *hardwiring power cable*:

- a. Plug the *hardwiring power cable* into the Ultra Battery's **DC in** port.

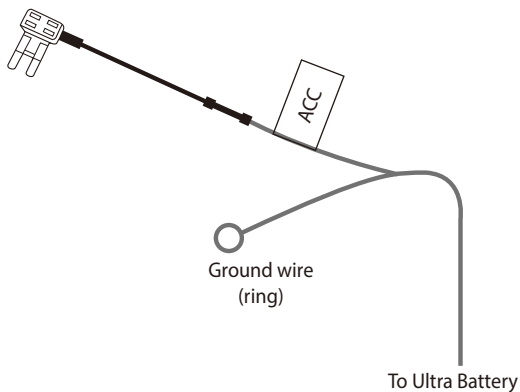


- b. Referring to your vehicle Owner's Manual, identify a **Switched** (accessory power) fuse of 10A or less in your interior fuse panel. Typical examples are the cigarette lighter and car stereo fuse slots.

Caution

If you connect the Ultra Battery to a **Constant Power** (BATT) fuse it may result in depletion of your vehicle's battery.

- c. Remove the identified **Switched** fuse and match its type with one of the 3 fuse taps.
- d. Insert the **ACC** wire into the connector end of the fuse tap. Use a crimping tool or pliers to crimp the connector onto the wire.

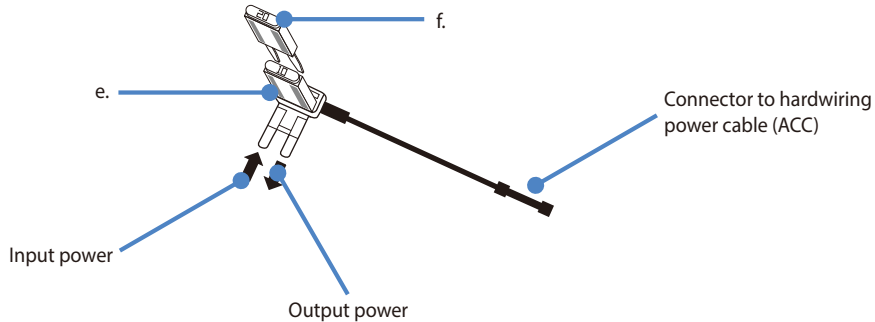


e. Insert the fuse you removed from the fuse panel into the slot closest to the blades on the fuse tap.

 **Note**

If the original fuse is a low-profile mini type, use the new 10A mini type fuse instead (included).

f. Insert a new 20A fuse into the slot furthest away from the fuse tap blades.

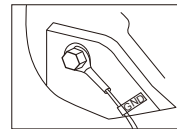


g. Insert the fuse tap into the empty **Switched** fuse slot in the fuse panel.

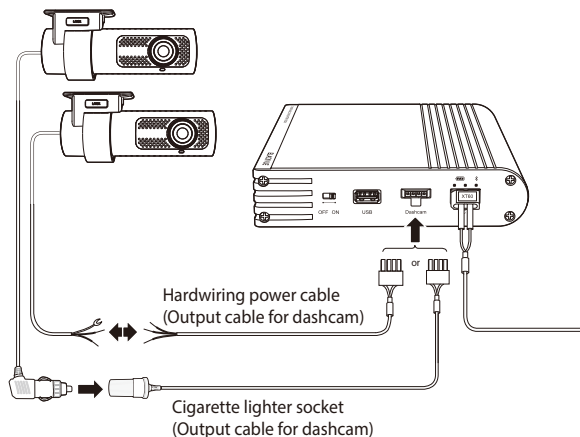
 **Caution**

Refer to the diagram and insert the fuse tap in the correct orientation. In the correct orientation the new fuse (f.) gets power directly from the fuse slot without putting an additional load on the original fuse (e.). If you insert the fuse tap in the reversed orientation the additional load on the original fuse may cause it to blow.

h. Connect the ground wire (ring) to a ground point, such as a bolt, that is directly on a bare metal part of the vehicle's frame. Secure the ground wire to the bare metal frame (for example by securing it under the bolt).



2. Plug the 'Output cable' into the port labeled **Dashcam** on the Ultra Battery.

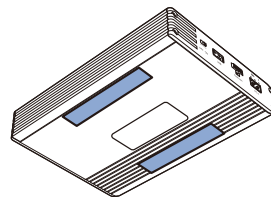
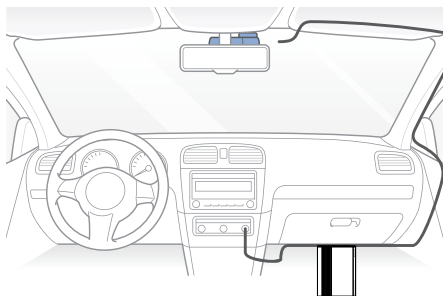


3. Plug your dashcam's power plug into the cigarette lighter socket or attach it to the hardwiring power cable on the Ultra Battery's 'Output cable.'

Note

To ensure good electrical contact you can use electrical tape to tape the plug and socket together.

4. Set the power switch to the ON position.
5. Use a pry tool to lift the edges of the windshield trim/molding and tuck in the power cord. Use the supplied Velcro strips to fix the Ultra Battery in place



Caution

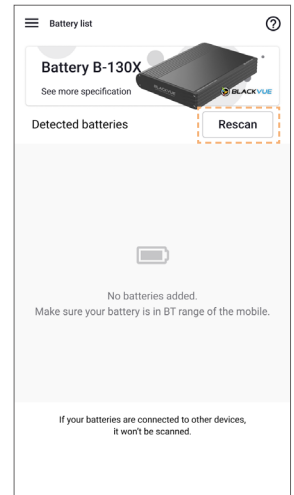
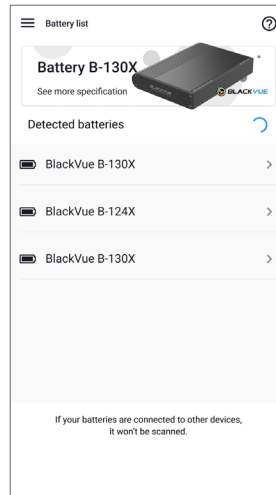
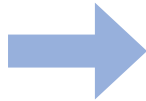
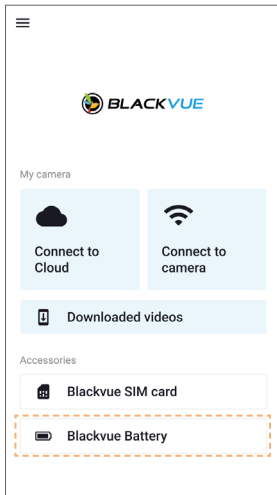
Do not expose the product to direct sunlight and/or heat.

▶ Checking the battery status and changing settings

1. Turn on the Ultra Battery.
2. Go to your smartphone's **Settings** and turn on **Bluetooth**.
3. Search for the **BlackVue app** in the Google Play Store or Apple App Store and install it on your smartphone. If you are not a BlackVue dashcam user, download **BlackVue Battery app** and skip to **(B)**.

(A) *Connecting Ultra battery to the BlackVue app (BlackVue dashcam user only)*

- a. Open the **BlackVue app** and tap **BlackVue Battery**.
- b. Select your Ultra Battery from the list. If your Ultra Battery is not shown in 15~20 seconds, **Rescan** button will appear. Tap it to refresh the list.



Battery information screen

Settings

Battery's model name

Battery temperature

Remaining time: Estimated usage time (hours: mins) at the present power draw level

Device plugged into USB port*

Battery power supply information (Input voltage/Power cable type)

Charging complete in: Estimated time to full charge (hours: mins) at the present power input level

Real-time current capacity percentage

Real-time output voltage and current

Real-time charging voltage and current

Current capacity	75%	Current capacity	50%
Output voltage	- V / - A	Charging voltage	13.7 V / 5.0 A
Charging voltage	- V / - A		

* Some USB cables may not be detected

Battery settings screen

Back/Save

settings

Beep On/Off

Turn beep alerts on or off

 **Caution**

- Under low temperature environment, the efficiency of Ultra battery's cell may decrease, however, this condition is temporary. Once the battery's temperature returns to its normal operating range, its efficiency will return to normal as well.

 **Note**

- All images shown are for illustration purpose only. Actual app may differ from images shown.

B ***Connecting Ultra battery to the BlackVue Battery app***

- a. Open the **BlackVue Battery app**.
- b. Select your Ultra Battery from the list. If your Ultra Battery is not shown, tap **Scan** to refresh the list.
 - A sticker with the unique Bluetooth ID is attached to each Ultra Battery.

Product specifications

Model	Power Magic Ultra Battery B-130X
Color / Size / Weight	Black / 152.7 mm (W) x 206.0 mm (L) x 33.6 mm (H) / 1,537 g
Battery Cell Type	LiFePO4
Input Voltage / Current	12V system: - Cigarette lighter plug: 11 V–18 V / 7.2 A (max) - Hardwired: 11 V–18 V / 13.0 A (max)
	24V system: - Cigarette lighter plug: 22.5 V–30 V / 3.6 A (max) - Hardwired: 22.5 V–30 V / 6.4 A (max)
Charging Voltage / Current	Cigarette lighter plug: 14.2 V / 5 A Hardwired: 14.2 V / 9 A
Charging Time	Cigarette lighter plug (standard 5 A charging): Approx. 90 mins Hardwired (rapid 9 A charging): Approx. 50 mins
Hours of Use	Approx. 30 hours (based on a single dashcam that consumes 3 W)
Operating Temperature	Charging Temperature: 0°C – 45°C (32°F – 113°F)
	Discharging Temperature: -10°C – 60°C (14°F – 140°F)
Storage Temperature	-20°C – 45°C (-4°F – 113°F)
Temperature Cut-Off	High temperature: Approx. 80°C (176°F) / Low temperature: Below 0°C (32°F)
Capacity	12.8 V / 7,500 mAh / 96 Wh
Output Voltage / Current	Dashcam port: 11.0V - 14.2V / 2 A (max)
	USB port: 4.75V - 5.2V / 2 A (max)

Customer Support

For customer support, manual and any updates please visit www.blackvue.com.

You can also email a Customer Support expert at cs@pittasoft.com.

Limited Warranty

- The warranty period of this product is 1 year from the purchase data.
- If the product fails during normal and correct use within the warranty period, our service center will repair 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 responsible or liable for any loss or damage caused by incorrectly using the product.

Notes

Notes

Notes

Product Warranty

- **The term of this product warranty is 1 year from the purchase date.**
- We, PittaSoft Co., Ltd., provide the product warranty according to the Consumer Dispute Settlement Regulations (drawn up by the Fair Trade Commission). PittaSoft or designated partners will provide the warranty service upon request.

Circumstances		Warranty		
		Within the Term	Outside of the Term	
For performance/ functional problems under normal use conditions	For serious repair required within 10 days of purchase		Exchange/ Refund	N/A
	For serious repair required within 1 month of purchase		Exchange	
	For serious repair required within 1 month of exchange		Exchange/ Refund	
	When not exchangeable		Refund	
	Repair (If Available)	For Defect	Free Repair	Paid Repair/Paid Product Exchange
		Repeated problem with the same defect (up to 3 times)	Exchange/ Refund	
		Repeated trouble with different parts (up to 5 times)		
	Repair (If Unavailable)	For the loss of a product while being serviced/repaired	Exchange/ Refund	Refund after depreciation plus an additional 10% (Maximum: purchase price)
When repair is unavailable due to lack of spare parts within the component holding period		Exchange/Refund after depreciation		
When repair is unavailable even when spare parts are available				
1) Malfunction due to customer fault <ul style="list-style-type: none"> - Malfunction & damage caused by user negligence (fall, shock, damage, unreasonable operation, etc.) or careless use - Malfunction & damage after being serviced/repaired by an unauthorized third party, and not through Pittasoft's Authorized Service Center. - Malfunction & damage due to the use of unauthorized components, consumables, or separately sold parts 		Paid Repair	Paid Repair	
2) Other Cases <ul style="list-style-type: none"> - Malfunction due to natural disasters (fire, flood, earthquake, etc.) - Expired life span of a consumable part - Malfunction due to external reasons 				

- This warranty is only valid in the country where you purchased the product.



XH100141-22036
R-R-PTA-B-130X



217-220693

FCC ID : U8D-F1LS3222 / HVIN : F1LS3222 / IC : 24117-F1LS3222

Product | Battery Pack
Model Name | Power Magic Ultra Battery B-130X
Address | 4F ABN Tower, 331, Pangyo-ro, Bundang-gu,
Seongnam-si, Gyeonggi-do, Republic of Korea, 13488
Customer Support | cs@pittasoft.com

Product Warranty | One-Year Limited Warranty

Designed by Pittasoft Co., Ltd.

Manufactured by EGEN Inc.

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Made in Korea

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