



Product Manual

Blade 150S

1. Product Overview

This product manual is applicable to the BLADE series battery products manufactured by Nanjing Yingchen Pro-Video Equipment Co., Ltd. This product complies with the mandatory standard GB 31241-2014 of the People's Republic of China regarding the safety of lithium-ion batteries.

The BLADE series battery, meticulously crafted, is the masterpiece of Yingchen. With a brand-new design, it exudes a completely new charm in its appearance. Its unique sharp and rugged form, graceful lines, ergonomic design, and delicate grip provide an exquisite blend of aesthetics and functionality, shining brightly.

The Blade 150S battery is equipped with multiple ports to keep your devices powered anytime, anywhere. It features two D-TAP ports, one USB-A port, a bidirectional USB-C port supports PD2.0 and PD3.0, output power 100W(Max.), a 12V DC port, and an 8.4V DC port. The wide port design of the Blade 150S battery ensures compatibility with a wide range of devices, making charging more convenient than ever.

A whole new vision, right before your eyes. All BLADE batteries come with vibrant OLED screens, allowing you to monitor battery status in real-time. Whether it's remaining capacity, usage time, voltage, current, or other parameters, everything is clear at a glance.

New possibilities emerge. To provide creators with more usage scenarios, we've innovatively introduced a 1/4" threaded hole. This design allows you to mount our batteries on tripods, octopuses, stabilizers, and other equipment, making your creative process more convenient and flexible. Additionally, our batteries are suitable for powering devices with a DC voltage range of 11-17V, such as professional cameras, wireless video transmission systems, film and video lighting, monitors, and mobile devices with USB-C interfaces.

Let our batteries be your creative partner, making your creations shine even brighter!

Preface:

The BLADE series broadcast-grade lithium-ion batteries integrate advanced technology and user-friendly design, aiming to provide more efficient and convenient power support for industries such as photography and broadcasting.

Bearing the name BLADE, it symbolizes sharpness and reliability. This battery is equipped with a 1/4" threaded interface, enabling it easy connection to various photographic equipment, offering users a more convenient operating experience. Additionally, behind the battery, there is an illuminating light, facilitating usage in various shooting environments.

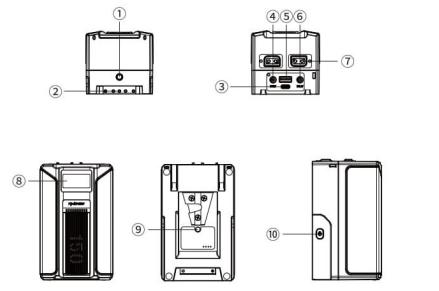
The BLADE 150S supports 100W USB-C output, supporting rapid and versatile charging, ensuring a constant abundance of power anytime, anywhere. It comes with high-quality battery cells and an outstanding battery management system, ensuring battery stability and safety, eliminating concerns about battery lifespan and safety issues for users.

The BLADE series of broadcast-grade lithium-ion batteries aims to enable users to focus more on their creative work, effortlessly handling various shooting and broadcasting tasks, making it the most reliable power companion for users.

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2. Product Structure Diagram



① 1/4" threaded hole ② BP electrode interface ③ USB-C port
 ④ 12V DC port ⑤ USB-A port ⑥ 8.4V DC port ⑦ D-TAP port
 ⑧ OLED display ⑨ Illumination light ⑩ On-screen switch/Light switch

3. On-Screen Switch Instructions

- Press the button once to activate USB-A, USB-C, 8.4V DC, and 12V DC.
- Gently press the switch to turn on the screen, which will automatically turn off after 5 seconds.
- Press and hold for 2-3 seconds to activate the illumination light. The illumination light will remain on for about 70 seconds and then automatically turn off. If you need to use it for less than 70 seconds, you can press and hold the switch for 2-3 seconds again to turn off the illumination light.

4. Product Specifications

Model	Blade 150S
Rated Voltage	14.4V
Capacity	150Wh, 10200mAh
Output	BP Interface 14.4V 10A
	D-TAP 14.4V 10A
	USB-A 5V 2.1A(Max)
	USB-C 100W(Max)
	DC1 12V 2A(Max)
	DC2 8.4V 2A(Max)
	USB-C Input 65W
Size	77*72*124mm
Weight	0.9kg

Remark: Click the switch button to activate USB-A, USB-C, 8.4V DC, 12V DC

5. Screen Display Interpretation

When the battery is being charged or discharged normally, the screen will display real-time information such as voltage and current. The letter (U) represents real-time current, the letter (I) represents real-time voltage, and the letter (T) represents remaining usage time.



If the battery experiences abnormalities during usage, an abnormal protection indicator will pop up.



When the voltage of a single battery cell is low, the screen displays fault code 01.



When a single battery cell is overcharged, the screen displays fault code 02.



When there's an overcurrent during battery charging, the screen displays fault code 03.

When there's an overcurrent during battery discharge, the screen displays fault code 04.



When there's an overload during battery discharge, the screen displays fault code 05.



When there's a short circuit during battery charging, the screen displays fault code 06.



When there's a short circuit during battery discharge, the screen displays fault code 07.



When the battery's surrounding environment or its own temperature is too high, triggering battery over-temperature protection, the screen displays fault code 08.



When the surrounding environment temperature is too low, triggering battery low-temperature protection, the screen displays fault code 09.



6. Common Fault Judgment

General fault conditions and solutions:

Fault conditions	Solutions
Device not powered when connected	(1) Check if the circuit connections are correct.
	(2) Check if this product has very low battery level.
	(3) Check if the positive and negative terminals are reversed.
	(4) Short press the battery indicator button to try to activate
	(5) Disconnect the load and try again
The product generates significant heat during use	(1) The battery connection with the load is not properly established.
	(2) The product has been in use for over 3 years and is approaching the end of its lifespan.

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9. Transportation Precautions

- (1) This product is suitable for air, sea, and road transportation, and has obtained the relevant organization's certification for air and sea transport conditions. During actual transportation, it is also necessary to comply with the regulations of various transportation departments, such as airports, train stations, and road stations. During transportation, avoid exposure to sunlight, rain, and severe vibrations.
- (2) This product must be packaged with insulating and shock-absorbing materials to prevent damage to the battery pack caused by bumps along the way.
- (3) When loading and unloading this product during transportation, handle it with care and do not throw it randomly to avoid collisions.
- (4) Do not place heavy objects on this product during transportation to prevent compression and damage to the product.
- (5) Do not mix this product with flammable, explosive, or sharp metal objects during transportation.

10. Storage

- (1) This product should be stored in a clean, dry, well-ventilated environment with a temperature range of 0~40°C and a relative humidity 30%~60%.
- (2) Avoid contact with corrosive substances.
- (3) Keep away from open flames and heat sources.
- (4) The battery level of this product should be maintained at approximately 100% to prevent over-discharge. Every 2 months, the product should be charged to around 100% of its capacity.

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7. Battery Maintenance and Care

- (1) Please strictly follow the user manual for usage and maintenance.
- (2) When the battery is low, please recharge it promptly. This is beneficial for prolonging the battery's lifespan. Allowing the battery to stay in a low-charge state for an extended period may impact its lifespan. If the battery needs to be stored for a long time, keep it at around 100% charge, and recharge it to approximately 100% capacity every 2 months.
- (3) Use this product in an environment with good air condition, dryness, and cleanliness. Keep it away from flames and flammable materials during charging. In case of danger, disconnect this product from other devices promptly while ensuring personal safety.
- (4) The operating temperature for this product is 0~40°C (optimal working temperature is 15~35°C). If used outside this temperature range, there might be variations in the product's performance, which can manifest as changes in capacity or device run time. This is a normal occurrence.

- (5) Do not clean the product's casing with organic solvents. In case of accidental fires involving this product, do not use carbon dioxide extinguishers. Instead, use fire extinguishers like carbon tetrachloride or sand.
- (6) Batteries are consumables, and their lifespan is limited. Users should replace the product promptly when the capacity falls below 70% of the rated capacity as indicated on the product.

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11. Packing List

Blade 150s battery x1
Double-ended TYPE-C Cable x1
Lanyard X1
User Manual X1

12. Warranty Terms and After-sales Service

- (1) **Warranty Policy:**
We provide an 18-month warranty for batteries exhibiting performance issues under normal usage.
- (2) **Warranty Period Definition:**
The warranty begins either two months after the production date or from the date on a valid purchase proof (like an invoice, receipt, or platform purchase record), whichever comes first.
- (3) **Non-Warranty Coverage:**
*Damage caused by force majeure such as fires, floods, earthquakes, snowstorms, or war.
*Product damage resulting from mishandling during transportation, incorrect usage, poor maintenance, or improper storage by the consumer.
*Damage caused by unauthorized repairs done at service centers not designated by the manufacturer (including self-disassembly and self-repair by the consumer).
*Unauthorized modifications to the product's appearance or circuitry by the consumer.*Issues arising after the warranty period has expired.
- (4) **For After-Sales Service:** For online customer support, please visit our website at www.yinchem.cn. You can also reach out to our service hotline at Yingchen China: 0086-25-52104226.

8. Usage Precautions

To prevent incidents such as leaks, abnormal heating, fires, performance degradation, explosions, and other accidents involving this product, please follow the guidelines below for its correct usage. Our company assumes no responsibility for accidents resulting from failure to follow the instructions in this manual.

- (1) Handle with care, avoiding strong vibrations.
- (2) Do not immerse this product or its accessories in water or other liquids, and take measures to prevent moisture.
- (3) Avoid short-circuiting the positive and negative output terminals of this product.
- (4) Prohibit disposing of used batteries in fire, doing so may lead to dangerous incidents like explosions.
- (5) If you notice battery damage, casing cracks, deformation, electrolyte leakage, unusual odors, or other abnormal phenomena, do not continue using the product. Properly dispose of it through authorized channels or qualified organizations. Furthermore, batteries with leaked electrolyte should be kept away from fire sources to prevent explosions. If electrolyte comes into contact with skin, eyes, or other body parts, immediately rinse with clean water and seek medical attention.
- (6) Prohibit self-repair or modification of this product. Self-repair or modification of batteries may result in short circuits, internal substance decomposition, fires, explosions, and other hazards. Additionally, dismantling the battery could cause electrolyte leakage. If electrolyte splashes onto skin, eyes, or other body parts, rinse immediately with clean water and seek medical attention.
- (7) Fault repairs for this product should be carried out by the company or authorized institutions. Users must not attempt to repair it on their own.
- (8) Self-disassembly is prohibited. Users should not attempt to disassemble this product or its accessories. The company will not be responsible for any losses caused by such actions.

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