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DAMSON R5-PRO

DAMSON 48V 20AH R5-PRO Battery

USER MANUAL

1. INTRODUCTION

Thank you for choosing the DAMSON 48V 20AH R5-PRO battery. This high-capacity battery is designed to provide reliable power for your electric vehicle or compatible system. This manual provides essential information on the safe and effective use, installation, maintenance, and troubleshooting of your new battery. Please read this manual thoroughly before operating the product and retain it for future reference.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the battery and connected devices:

- Do not disassemble, open, or shred the battery pack.
- Do not expose the battery to heat or fire. Avoid storage in direct sunlight.
- Do not short-circuit the battery. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.
- Do not subject the battery to mechanical shock.
- In the event of a battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Keep the battery clean and dry.
- Do not use any charger other than that specifically provided for use with the equipment.
- Observe the plus (+) and minus (-) marks on the battery and equipment and ensure correct usage.
- Keep the battery out of the reach of children.
- Seek medical advice immediately if a battery has been swallowed.
- Dispose of the battery properly according to local regulations.

3. SETUP

Before initial use, ensure the battery is fully charged. Carefully inspect the battery for any signs of damage. The DAMSON 48V 20AH R5-PRO battery is designed for secure integration into compatible systems, often involving a mounting bracket and a key-lock mechanism for security and easy removal.



This image displays the DAMSON 48V 20AH R5-PRO battery unit, highlighting its compact design and the integrated key lock mechanism for security and removal.

Installation:

1. Ensure the power to the device is off before connecting the battery.
2. Align the battery with the designated mounting slot or tray on your electric vehicle/system.
3. Gently slide the battery into place until it clicks securely. Use the provided key to lock the battery if applicable.
4. Connect the battery's power output cable to the corresponding input on your device. Ensure connections are firm and correct polarity is observed.
5. Once installed, you may proceed with charging or initial operation.

4. OPERATING INSTRUCTIONS

Charging the Battery:

Use only the charger specifically designed for the DAMSON 48V 20AH R5-PRO battery. Improper chargers can damage the battery or pose a safety risk.

1. Connect the charger to a standard AC power outlet.
2. Connect the charger's output plug to the charging port on the battery.
3. The charger's indicator light will typically show red during charging and turn green when charging is

complete.

4. Charging time is approximately 4-6 hours for a full charge from empty.

5. Disconnect the charger once charging is complete. Do not overcharge the battery.

Discharging and Usage:

The battery provides power to your electric vehicle or system. Monitor the battery level during use to avoid complete discharge, which can reduce battery lifespan.



The image illustrates the DAMSON 48V 20AH R5-PRO battery securely mounted within the frame of an electric bicycle. It visually emphasizes the 48V 20AH capacity and indicates performance capabilities such as range in pure electric and assist modes, and charging time.

- The battery is rated for 48V 20AH, providing high capacity for extended use.
- Typical range in pure electric mode is 40-50 miles, and in assist mode, 50-75 miles, depending on usage conditions.
- The integrated Battery Management System (BMS) protects against overcharge, over-discharge, over-current, and short-circuit.

5. MAINTENANCE

- **Regular Charging:** If the battery is not used for an extended period, charge it at least once every two months to maintain its health.
- **Storage:** Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. The ideal storage temperature is between 0°C and 25°C (32°F and 77°F).
- **Cleaning:** Use a soft, dry cloth to clean the battery casing. Do not use harsh chemicals or abrasive cleaners.
- **Terminal Inspection:** Periodically check the battery terminals for corrosion or loose connections. Clean if necessary.

- **Avoid Deep Discharge:** While the BMS protects against over-discharge, try to avoid consistently running the battery completely flat to prolong its lifespan.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not charging	Charger not connected properly; Faulty charger; Battery temperature too high/low; Battery fault.	Ensure charger is securely plugged into outlet and battery. Try another outlet. Allow battery to reach room temperature. Contact support if problem persists.
Battery not powering device	Battery not installed correctly; Low battery charge; Loose connections; Device fault.	Ensure battery is securely locked in place. Check battery charge level and recharge if necessary. Verify all cables are firmly connected. Test battery with another compatible device if possible.
Reduced battery range/capacity	Aging battery; Frequent deep discharges; Extreme operating temperatures.	Ensure proper charging habits. Avoid extreme temperatures during operation and storage. Battery capacity naturally degrades over time.
Unusual heat from battery	Overload; Internal short circuit; Faulty charger.	Immediately disconnect the battery from the device and charger. Allow it to cool down in a safe, non-flammable area. Do not use if excessive heat persists. Contact support.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact DAMSON customer support.

7. SPECIFICATIONS

Feature	Detail
Model Name	48V 20AH R5-PRO
Battery Capacity	20 Amp Hours (20AH)
Nominal Voltage	48V
Battery Cell Composition	Sealed Lead Acid (Note: Product description states 'high capacity', often associated with Li-ion in modern e-bike batteries, but spec says SLA. Following provided spec.)
Product Dimensions	18 x 8 x 8 inches
Item Weight	10 pounds
Manufacturer	DAMSON
Unit Count	1 Count

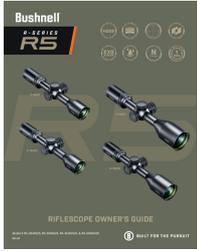
8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact DAMSON customer service. Refer to your purchase documentation for specific warranty terms and contact details. You can typically find support information on the official DAMSON website or through your retailer. Please have your product model (R5-PRO) and ASIN (B0CM95DP5B) ready when contacting support.

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Related Documents - R5-PRO

	<p>Damson ANC V2 Wireless Headphones Quick User Guide</p> <p>A guide to using the Damson ANC V2 Wireless Headphones, covering controls, pairing, multi-point connection, and charging.</p>
	<p>Damson HearBuds User Guide - Functions, Charging, and Specifications</p> <p>Official user guide for Damson HearBuds wireless earbuds. Learn about pairing, charging, button functions, re-connecting, resetting, and technical specifications. Includes troubleshooting tips.</p>
	<p>Damson HearPods Quick User Guide</p> <p>A concise guide to using Damson HearPods, covering functions, controls, pairing, connection status, battery information, and charging instructions.</p>
	<p>Damson S-Series Home Cinema System User Guide</p> <p>Comprehensive user guide for the Damson S-Series Home Cinema System, covering setup, speaker placement, ARC function, multi-room audio, and LED indicator meanings.</p>
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[Bushnell R5 Series Riflescope Owner's Guide](#)

Explore the Bushnell R5 Series riflescopes with this comprehensive owner's guide. Learn about mounting, sighting-in, reticle features, maintenance, and technical specifications for models like R5-3940S25, R5-3950S25, R5-41240S25, and R5-61850S25.