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› Dakota Lithium Power Box 12V 10Ah LiFePO4 Battery Instruction Manual

Dakota Lithium ABAT009

Dakota Lithium Power Box 12V 10Ah LiFePO4 Battery Instruction Manual

Comprehensive guide for the setup, operation, and maintenance of your Dakota Lithium Power Box 12V 10Ah LiFePO4 battery system.

PRODUCT OVERVIEW

The Dakota Lithium Power Box 10 is a portable power solution designed for various applications, including camping, marine use, and off-grid power needs. It integrates a 12V 10Ah LiFePO4 battery within a water and shock-resistant case, offering multiple output ports for charging and powering devices.



Image: The Dakota Lithium Power Box 10, showing the external case, the internal 12V 10Ah LiFePO4 battery, and a battery charger. This image illustrates the main components of the product.

SETUP

Unpacking and Initial Inspection

- Carefully remove all components from the packaging.
- Verify that the Power Box and 12V 10Ah LiFePO4 battery are present.
- Inspect the Power Box and battery for any visible damage. If damage is found, contact customer support immediately.

Initial Charging

Before first use, it is recommended to fully charge the 12V 10Ah LiFePO4 battery. The Power Box is designed to be recharged using a compatible charger (often sold separately) or Dakota Lithium Solar panels.

- Connect the appropriate charger to the Power Box's charging input.
- Plug the charger into a standard wall outlet.
- Allow the battery to charge until the indicator light on the charger or Power Box indicates a full

charge. Charging typically takes 3-5 hours with compatible solar panels (not included).

OPERATING INSTRUCTIONS

Connecting Devices

The Power Box 10 features multiple output ports for various devices:

- **USB Ports:** Use the standard USB and USB-C ports to charge mobile phones, tablets, cameras, and other personal electronics.
- **12V Car Plug:** Connect devices that utilize a 12V automotive-style plug.
- **Binder Posts:** For direct connection to devices requiring 12V power via binding posts, such as fish finders, small trolling motors, or other DC equipment.



Image: The Dakota Lithium Power Box 10 connected to a smartphone via a USB cable, demonstrating its use as a mobile charging station in an outdoor setting.

LED Lighting

The Power Box includes high-efficiency LED lighting for illumination in low-light conditions. Activate the lights using the designated switch on the unit.

Applications

This portable power station is suitable for a wide range of activities:

- **Outdoor Recreation:** Powering devices for camping, fishing, ice fishing, and kayaking.
- **Remote Work:** Charging electronics in off-grid locations.
- **Emergency Preparedness:** Providing backup power during outages.
- **Construction Sites:** Supplying portable power for tools and devices.



Image: A collage depicting various outdoor activities where the Dakota Lithium Power Box 10 can be utilized, including ice fishing, general fishing, camping, and hiking.

MAINTENANCE

Battery Care

The integrated LiFePO4 battery is designed for longevity and performance. To maximize its lifespan:

- **Regular Charging:** Recharge the battery after each significant use.
- **Storage:** If storing for extended periods, ensure the battery is charged to approximately 50-70% and store in a cool, dry place.

- **Avoid Extreme Temperatures:** While the Power Box is robust, extreme temperatures can affect battery performance and lifespan. Operate and store within recommended temperature ranges.

Cleaning

Wipe the exterior of the Power Box with a damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure all ports are dry before use.

TROUBLESHOOTING

- **Device Not Charging:**
 - Ensure the Power Box is sufficiently charged.
 - Verify that the device is correctly connected to the appropriate port.
 - Check the device's charging cable for damage.
- **Power Box Not Charging:**
 - Confirm the charger is properly connected to both the Power Box and the power outlet.
 - Ensure the power outlet is functional.
 - Note that a charger is often sold separately and may not be included with the Power Box itself.
- **LED Lights Malfunctioning:**
 - Check the LED light switch.
 - If lights behave unexpectedly (e.g., one light on when off), this may indicate a manufacturing anomaly. Contact customer support for assistance.

For issues not covered here, please refer to the support section for contact information.

SPECIFICATIONS

Feature	Detail
Brand	Dakota Lithium
Model Number	ABAT009
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Voltage	12 Volts
Battery Capacity	10 Amp Hours
Wattage	1620 Watts
Item Weight	4 Pounds
Product Dimensions	8.5"L x 6.75"W x 4.25"H
Power Source	Battery Powered
Special Features	USB Port, Water/Shock Resistant Case, High Efficiency LED Lighting
Total Power Outlets	3 (USB, USB-C, 12V Car Plug, Binder Posts)

Feature	Detail
UPC	857006006426
Included Components	12V 10Ah LiFePO4 Battery, Power Box

WARRANTY INFORMATION

The Dakota Lithium 12V 10Ah LiFePO4 battery is covered by an **11-year warranty**. This warranty reflects the manufacturer's confidence in the battery's durability and performance.

Please note that the Power Box case, chargers, and other accessories included with the product are typically covered by a separate **1-year warranty**.

For detailed warranty terms and conditions, please refer to the official Dakota Lithium website or contact customer support.

SUPPORT

For technical assistance, product inquiries, or warranty claims, please contact Dakota Lithium customer support. They offer friendly U.S. Customer/Technical Support.

- **Online Support:** Visit the official Dakota Lithium website for FAQs and support resources.
- **Contact Information:** Refer to the product packaging or the official website for current contact details (phone number, email).

You can also find more information and products at the [Dakota Lithium Amazon Store](#).