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Crivnhar Crivnhar

Instruction Manual

Crivnhar Power Wheel Adapter for Dewalt 20V Batteries

Model: Crivnhar

Product Overview

The Crivnhar Power Wheel Adapter is designed for use with Dewalt 20V/18V Li-ion batteries (DCB200, DCB203, DCB206). This adapter provides a convenient solution for converting your power tool batteries into a portable power source for various DIY projects, including power wheels, RC toys, robotics, and camping lighting. It features a built-in fuse and high-quality wiring for enhanced safety and includes wiring terminals for easy connection.

- **Better security:** Equipped with a fuse and high-quality wire to prevent excessive transient current from damaging the battery and equipment.
- **Perfectly compatible:** Works with Dewalt 20V /18V DCB200 DCB203 DCB206 Li-ion batteries. Easy to install, locks onto the battery securely.
- **Easy to DIY operate:** Features wiring terminals for quick and easy connection of device power cords to the adapter.
- **Multi-scene use:** Includes 12.5 inches of 14 gauge wire. Ideal for upgrading power wheels, RC toys, Robotics DIY, etc. Maximum permissible current 20A.
- **Important Tip:** The red wire connects to the positive terminal, and the black wire connects to the negative terminal. Ensure correct polarity when connecting. Always remove the battery from the adapter if not in use for a long time.

Safety Information

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always ensure correct polarity (red wire to positive, black wire to negative) when connecting the adapter to your device. Incorrect wiring can damage the adapter, battery, or connected equipment.
- Do not exceed the maximum permissible current of 20A. Overloading can cause the fuse to blow or damage the

adapter.

- Keep the adapter and battery away from water, moisture, and extreme temperatures.
- Do not short-circuit the output terminals of the adapter.
- Always disconnect the battery from the adapter when not in use or before performing any maintenance.
- This adapter is designed for DIY use. Ensure all connections are secure and insulated to prevent accidental contact.
- Keep out of reach of children.

Package Contents

Verify that all items are present in your package:

- 1 x Power Wheel Adapter
- 3 x 30A Fuses (for overcurrent protection)
- 1 x Wire Terminal (for convenient wiring)

Setup

Follow these steps to set up your Power Wheel Adapter:

1. **Attach the Adapter to the Battery:** Align the power adapter with the groove on your Dewalt 20V battery. Push the adapter firmly onto the battery until it locks securely into place. You should hear a click.
2. **Connect Wires:** The adapter comes with pre-attached red (positive) and black (negative) 14-gauge wires. Use the included wire terminals to connect these wires to your desired device. Ensure the polarity matches the device's requirements (red to positive, black to negative).
3. **Install Fuse:** The adapter includes a fuse holder. Insert one of the provided 30A fuses into the fuse holder. This fuse provides overcurrent protection for your battery and connected equipment.

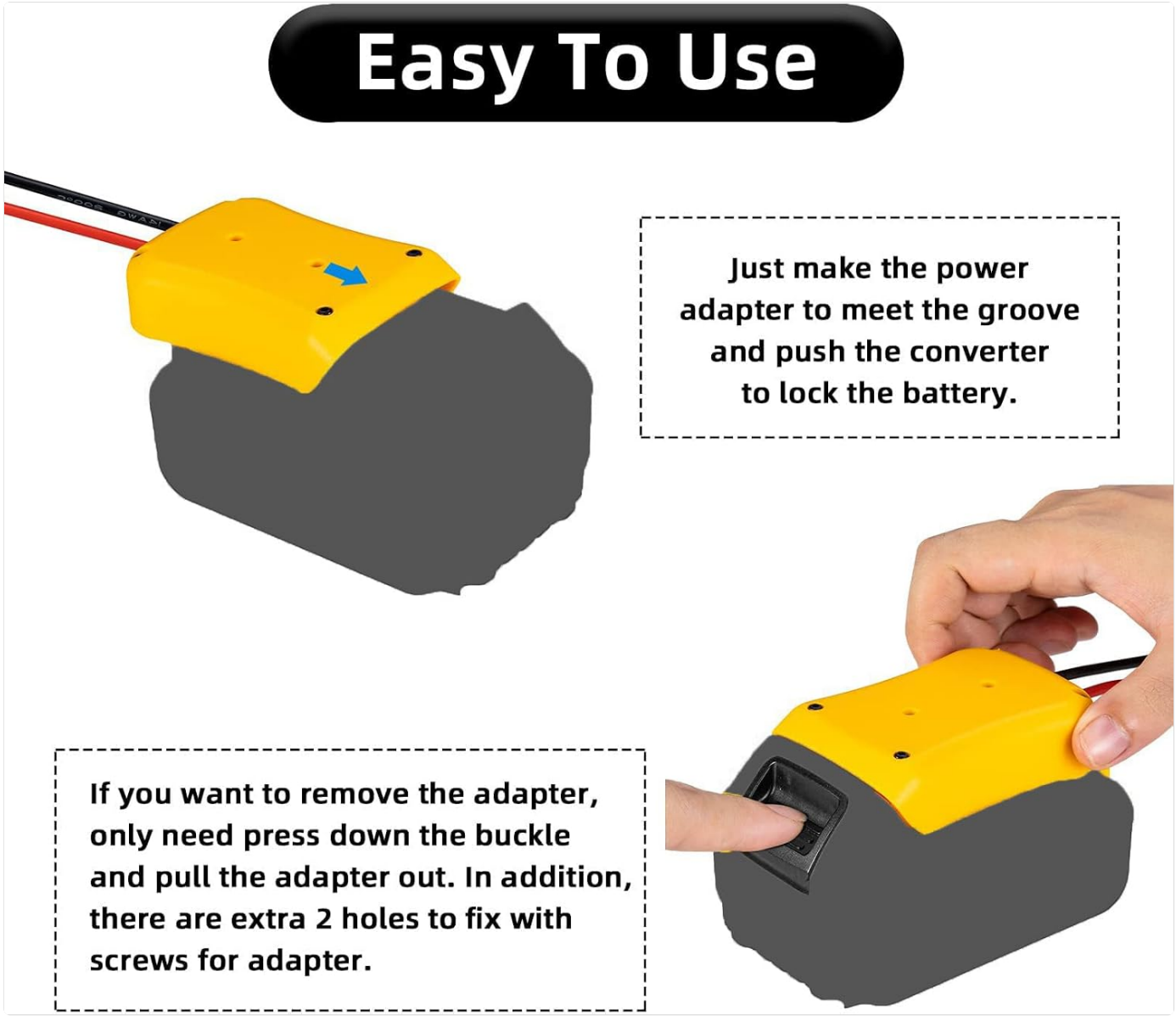


Figure 1: Attaching the adapter to the battery. Simply align the adapter with the battery's groove and push to lock.

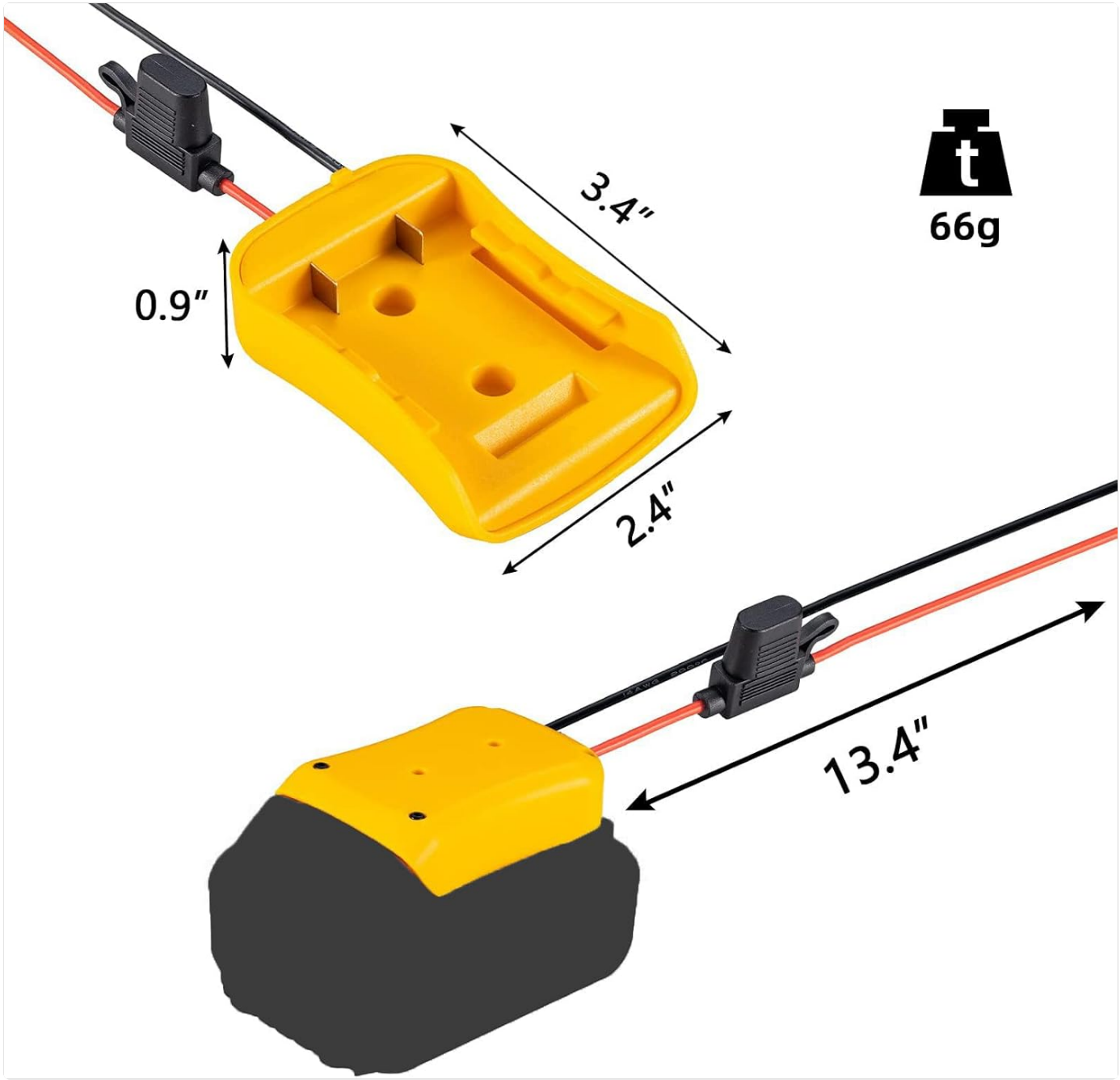


Figure 2: To remove the adapter, press down on the buckle and pull the adapter off the battery. The adapter also has two holes for optional screw-fixing.



Figure 3: Key components of the adapter, including the fuse holder, 14 AWG wire, and durable ABS material.

Operating Instructions

Once the adapter is securely connected to your Dewalt 20V battery and wired to your device, you can begin operation. This adapter is versatile and can be used for a variety of applications:

- **Power Wheels Upgrade:** Provide extended runtime for children's ride-on toys.
- **RC Toys and Robotics:** Power larger RC vehicles or custom robotics projects.
- **DIY Projects:** Ideal for various custom electrical projects requiring 20V DC power.
- **Camping Lighting:** Use to power portable lights or other low-power devices during outdoor activities.

Remember to always observe the maximum permissible current of 20A to prevent damage.



Figure 4: Examples of the Power Wheel Adapter's versatile applications in DIY projects.

Maintenance

To ensure the longevity and safe operation of your Crivnhar Power Wheel Adapter, follow these maintenance guidelines:

- **Regular Inspection:** Periodically inspect the adapter, wires, and connections for any signs of wear, damage, or corrosion.
- **Cleanliness:** Keep the adapter clean and free from dust, dirt, and debris. Use a dry cloth for cleaning.
- **Storage:** Store the adapter in a dry, cool place away from direct sunlight and extreme temperatures when not in use. Always remove the battery before storing.
- **Fuse Check:** If the adapter stops providing power, check the fuse. If it's blown, replace it with a new 30A fuse.

Troubleshooting

If you encounter issues with your Power Wheel Adapter, try the following troubleshooting steps:

Problem	Possible Cause	Solution
No power output from adapter.	Blown fuse.	Check and replace the 30A fuse in the fuse holder.
No power output from adapter.	Battery not properly connected or discharged.	Ensure the adapter is fully seated on the battery. Check battery charge level.
No power output from adapter.	Incorrect wiring to the device.	Verify that the red wire is connected to the positive terminal and the black wire to the negative terminal of your device.
Adapter feels hot during use.	Overloading or prolonged high current draw.	Reduce the load on the adapter. Ensure the connected device does not exceed 20A. Allow the adapter to cool down.

If the issue persists after trying these steps, please contact Crivnhar customer support.

Specifications

Feature	Detail
Brand	Crivnhar
Model Number	Crivnhar
Compatible Batteries	Dewalt 20V / 18V Li-ion (DCB200, DCB203, DCB206)
Input Voltage	20 Volts
Amperage	20 Amps (Max Permissible Current)
Wattage	400 Watts
Wire Gauge	14 Gauge
Wire Length	12.5 inches (approx. 31.75 cm)
Item Weight	2.89 ounces (approx. 81.9 g)
Package Dimensions	4.17 x 3.39 x 2.24 inches
Connector Type	Barrel Connector
Included Components	Adapter, 30A Fuses, Wire Terminal
Color	A Yellow
Specification Met	IP65

Warranty and Support

For warranty information or technical support regarding your Crivnhar Power Wheel Adapter, please refer to the product packaging or contact the manufacturer directly through their official website or the retailer where the product was purchased.
Manufacturer: Crivnhar
For further assistance, you may visit the Crivnhar Store on Amazon.

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