DEWENWILS HRVC10A

DEWENWILS 50 Amp 10-Foot RV EV Extension Cord Instruction Manual

Model: HRVC10A

1. Introduction

This manual provides essential information for the safe and effective use of your DEWENWILS 50 Amp 10-Foot RV EV Extension Cord. This heavy-duty extension cord is designed to deliver powerful, uninterrupted electricity for various applications, including RVs, electric vehicles (EVs), and welding machines. It features NEMA 14-50P to 14-50R connectors, a 6AWG/3C + 8AWG/1C copper wire, and an STW outdoor waterproof jacket, ensuring durability and reliable performance.

2. 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.

- **Electrical Rating:** Ensure that the power source and connected devices do not exceed the cord's maximum rating of 50 Amps, 125/250VAC, and 12500 Watts.
- **Proper Connection:** Always ensure plugs are fully inserted into receptacles. A loose connection can cause overheating and fire.
- **Outdoor Use:** This cord is designed for outdoor use and is waterproof. However, avoid submerging the cord or connectors in water.
- **Inspection:** Before each use, inspect the cord for any signs of damage, cuts, fraying, or exposed wires. Do not use a damaged cord.
- **Handling:** Do not pull the cord to disconnect. Always grasp the plug housing firmly to remove it from the receptacle.
- **Children and Pets:** Keep the cord out of reach of children and pets.
- **Overloading:** Do not overload the extension cord. This can lead to overheating and potential fire hazards.

3. Product Overview

The DEWENWILS 50 Amp 10-Foot RV EV Extension Cord is engineered for robust performance and user convenience.

Key Features:

- **High Power Capacity:** Delivers 50 Amps at 125/250VAC, supporting up to 12500 Watts.
- **Durable Construction:** Features a heavy-duty STW jacket with a 6AWG/3C + 8AWG/1C pure copper core and a PVC outer layer for insulation, waterproofing, and resistance to high temperatures and wear. ETL listed for safety.
- **Ergonomic Grips:** Unique handle design on both ends for easy and secure plugging and unplugging, reducing strain and risk of damage.
- **Convenient Storage:** Includes an adjustable strap and buckle design for simple and organized storage, preventing tangles.
- **Universal Compatibility:** Equipped with NEMA 14-50P (male) and NEMA 14-50R (female) plugs, compatible with most RVs, EVs, and welding machines requiring a 50 Amp connection.



Figure 3.1: The DEWENWILS 50 Amp 10-Foot RV EV Extension Cord with its NEMA 14-50P male plug, NEMA 14-50R female receptacle, and included carry strap.



Figure 3.2: Illustration of the NEMA 14-50P male plug and NEMA 14-50R female receptacle, highlighting compatible and incompatible plug types.

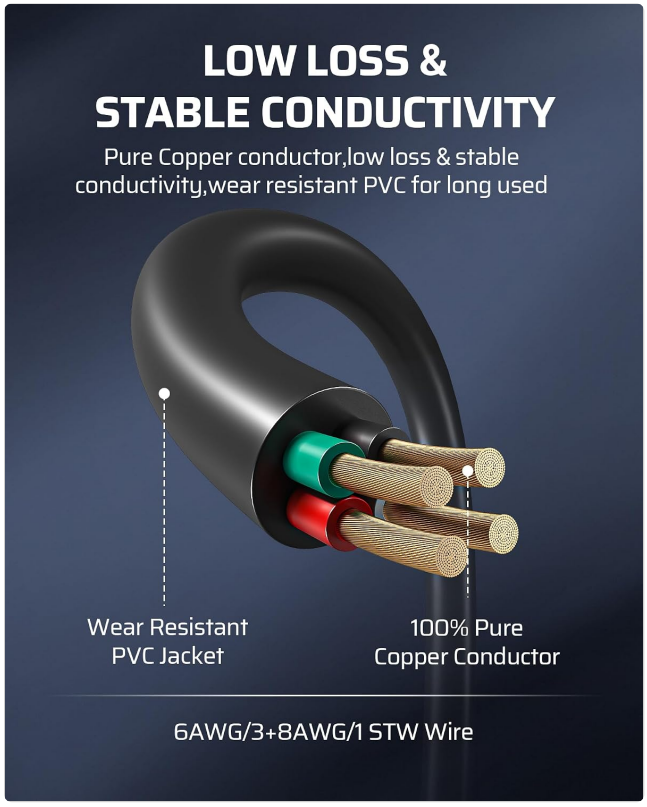


Figure 3.3: Cross-section view of the extension cord, showing the 100% pure copper conductors and wear-resistant PVC jacket.

4. Setup

Follow these steps to properly set up your extension cord:

1. **Inspect the Cord:** Before connecting, visually inspect the entire length of the extension cord, including both plugs, for any damage. Do not use if damage is found.

2. **Identify Connectors:** The cord has a NEMA 14-50P male plug (with prongs) and a NEMA 14-50R female receptacle (with slots).
3. **Connect to Power Source:** Insert the NEMA 14-50P male plug firmly into a compatible 50 Amp NEMA 14-50R power outlet (e.g., RV pedestal, generator outlet, EV charging station outlet). Ensure a snug fit.
4. **Connect Your Device:** Insert the NEMA 14-50P plug of your RV, EV charger, or welding machine into the NEMA 14-50R female receptacle of the extension cord. Ensure it is fully seated.
5. **Secure Connections:** If your connections have locking mechanisms, engage them to prevent accidental disconnection.



Figure 4.1: Demonstrates the ergonomic grip for easy and secure connection of the extension cord to a power source.

5. Operating Instructions

Once the cord is properly connected, you can operate your devices as intended. This cord is suitable for:

- **RV Power:** Extend the reach of your RV's 50 Amp power connection at campsites or home.
- **EV Charging:** Provide additional length for your EV charger to reach your vehicle from a NEMA 14-50 outlet.
- **Welding Machines:** Connect compatible welding equipment to a 50 Amp power source, extending your working range.

Always ensure the power source is turned off before connecting or disconnecting the cord. Once connections are secure, you may turn on the power source.



Figure 5.1: The 10-foot extension cord providing additional reach for an electric vehicle charging cable.



Figure 5.2: The extension cord connected to a generator, demonstrating its weather resistance for outdoor use.

6. Maintenance and Storage

Proper maintenance and storage will prolong the life of your extension cord.

- **Cleaning:** Clean the cord with a damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the cord is dry before storing.
- **Regular Inspection:** Periodically check the cord for any signs of wear, damage, or corrosion on the

plugs.

- **Storage:** When not in use, coil the cord neatly. Utilize the included adjustable strap and buckle to secure the coiled cord, preventing tangles and making it easy to carry and store. Store in a cool, dry place away from direct sunlight and extreme temperatures.



Figure 6.1: The adjustable strap and buckle design allows for easy coiling, carrying, and organized storage of the extension cord.

7. Troubleshooting

If you encounter issues with your extension cord, consider the following:

- **No Power:**
  - Ensure both ends of the extension cord are fully and securely plugged into their respective receptacles.
  - Check the power source (e.g., circuit breaker, generator) to ensure it is active and supplying power.
  - Verify that the connected device is functioning correctly when plugged directly into a known working outlet.
- **Overheating:**
  - Immediately disconnect the cord if it feels hot to the touch.
  - Ensure the total wattage of devices connected does not exceed the cord's 12500W capacity.
  - Check for loose connections, which can cause resistance and heat.
- **Physical Damage:** If the cord shows any signs of physical damage (cuts, exposed wires, bent prongs), discontinue use immediately and replace the cord.

8. Specifications

Feature	Specification
Brand	DEWENWILS
Model Number	HRVC10A
Current Rating	50 Amps
Operating Voltage	125/250 Volts (AC)
Wattage	12500 Watts
Length	10 Feet
Connector Type (Male)	NEMA 14-50P 3-pin
Connector Type (Female)	NEMA 14-50R 3-pin
Wire Gauge	6AWG/3C + 8AWG/1C Copper Wire
Jacket Type	STW Outdoor Waterproof PVC
Certifications	ETL Listed
Item Weight	7.94 pounds
Package Dimensions	12.2 x 11.9 x 4.6 inches

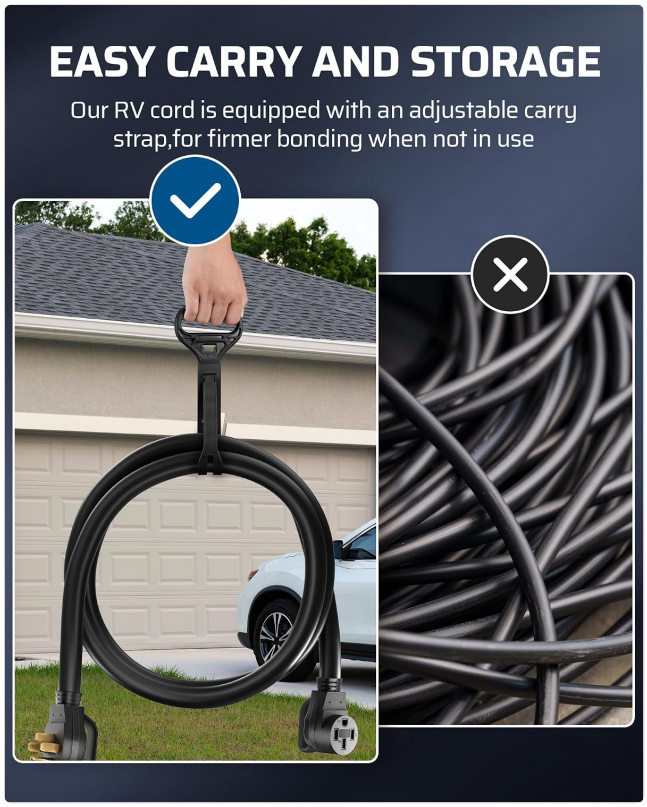


Figure 8.1: Detailed dimensions of the NEMA 14-50P and 14-50R plugs, cable diameter, and overall length and weight of the cord.

9. Warranty and Support

For warranty information and customer support, please refer to the documentation included with your purchase or contact DEWENWILS directly through their official website or customer service channels.

Keep your purchase receipt for warranty claims.