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FNRIDS EV-IEC-AC16-PV

FNRIDS EV Charging Cable 7KW 32A 8M User Manual

Model: EV-IEC-AC16-PV

1. INTRODUCTION

Thank you for choosing the FNRIDS EV Charging Cable. This manual provides essential information for the safe and efficient use of your 7KW 32A 8M Type 2 to Type 2 EV charging cable. Please read these instructions carefully before use and retain them for future reference.

2. PRODUCT OVERVIEW

The FNRIDS EV Charging Cable is designed for efficient and reliable charging of electric vehicles and plug-in hybrids with Type 2 and CCS2 charging inlets. It supports up to 7.2kW charging speed.



Image 1: FNRIDS EV Charging Cable components including the cable, Type 2 connector, control box, and storage bag.

2.1 What's in the Box

- EV Charging Cable 7KW 32A 8M x 1
- Cable Bag x 1

3. KEY FEATURES

- **Fast Charging:** Delivers up to 7.2kW charging speed (32A, single-phase), providing approximately 30 miles of range per hour.
- **Wide Compatibility:** Compatible with all electric vehicles and plug-in hybrids featuring Type 2 and CCS2 charging inlets.
- **Enhanced Safety:** CE, TÜV, and UKCA certified. Protects against over/under voltage, short-circuit, overheating, and leakage. The charger gun head is made from fire-retardant nylon.
- **High Durability:** IP65 waterproof rating for use in various weather conditions. Tested for 10,000+ plug-ins and 20,000+ bending cycles, designed to withstand 2 tons of load pressure.

- **Convenient Storage:** Includes a dedicated cable bag for easy storage and transport.

4. SETUP INSTRUCTIONS

Before connecting the charging cable, ensure both your vehicle and the charging station are powered off or in a safe state for connection.

1. **Inspect the Cable:** Before each use, visually inspect the charging cable and connectors for any signs of damage, wear, or foreign objects. Do not use if damaged.
2. **Connect to Charging Station:** Insert one end of the Type 2 connector into the compatible charging port of the EV charging station. Ensure it is fully seated and locked.
3. **Connect to Vehicle:** Open your vehicle's charging port cover. Insert the other Type 2 connector into your vehicle's charging inlet. Ensure it is fully seated and locked.
4. **Verify Connection:** Confirm that both ends of the cable are securely connected. The charging station and/or vehicle should indicate a successful connection.

Important: Always connect to the charging station first, then to the vehicle. When disconnecting, always disconnect from the vehicle first, then from the charging station.

5. OPERATING INSTRUCTIONS

Once the cable is securely connected, the charging process can begin.

1. **Initiate Charging:** Follow the instructions on your EV charging station or vehicle to start the charging session. This may involve activating the station via an app, RFID card, or on-screen prompts.
2. **Monitor Indicators:** The control box on the cable features indicator lights for Power, Charge, and Fault.
 - **Power:** Indicates the unit is receiving power.
 - **Charge:** Illuminates when charging is active.
 - **Fault:** Indicates an error or malfunction. Refer to the Troubleshooting section if this light appears.
3. **Charging Completion:** The charging session will typically end automatically when the vehicle battery is full or when manually stopped via the charging station or vehicle controls.
4. **Disconnecting:**
 - Stop the charging session via your vehicle or charging station.
 - Unlock the vehicle's charging port (if applicable).
 - Disconnect the Type 2 connector from your vehicle first.
 - Disconnect the Type 2 connector from the charging station.
 - Replace protective caps on connectors to prevent dust and moisture ingress.

6. MAINTENANCE AND CARE

- **Regular Inspection:** Periodically inspect the cable, connectors, and control box for any signs of damage, cracks, fraying, or discoloration.
- **Cleaning:** Clean the cable and connectors with a soft, dry cloth. If necessary, use a slightly damp cloth with mild soap, ensuring all components are completely dry before next use. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, coil the cable neatly and store it in the provided cable bag. Keep it in a dry, cool place, away from direct sunlight, extreme temperatures, and heavy objects that could crush it.

- **Avoid Damage:** Do not drive over the cable, pull it forcefully, or expose it to sharp objects.
- **Protective Caps:** Always use the protective caps on the connectors when the cable is not in use to prevent dust and moisture from entering.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Charging not starting	<ul style="list-style-type: none"> • Cable not fully connected • Charging station not activated • Vehicle charging port not ready • Fault detected by cable or station 	<ul style="list-style-type: none"> • Ensure both ends of the cable are securely plugged in. • Activate the charging station as per its instructions. • Check vehicle dashboard for charging status. • Disconnect and reconnect the cable. If "Fault" light is on, refer to station/vehicle manual.
Slow charging speed	<ul style="list-style-type: none"> • Charging station output lower than cable capacity • Vehicle charging limitations 	<ul style="list-style-type: none"> • Verify the charging station's maximum output. • Check your vehicle's charging specifications.
"Fault" indicator light is on	<ul style="list-style-type: none"> • Over/under voltage • Short-circuit • Overheating • Leakage • Internal cable fault 	<ul style="list-style-type: none"> • Immediately disconnect the cable from both the vehicle and the charging station. • Allow the cable to cool down if overheating is suspected. • Inspect the cable and connectors for visible damage. • If the fault persists after reconnecting, do not use the cable and contact customer support.

8. PRODUCT SPECIFICATIONS

Feature	Detail
Model	EV-IEC-AC16-PV
Connector Type	Type 2 to Type 2
Charging Power	Up to 7.2 kW
Current Rating	32A (Single-Phase)
Cable Length	8 meters
Waterproof Rating	IP65
Certifications	CE, TÜV, UKCA
Item Weight	7.66 pounds
Product Dimensions	1.97 x 3.35 x 8.27 inches

9. WARRANTY AND SUPPORT

FNRIDS provides a **2-year warranty** for this EV charging cable. This warranty covers manufacturing defects and ensures product reliability.

For any questions, technical support, or warranty claims, please contact FNRIDS customer service via Amazon. Our team is available to assist you before, during, and after your purchase.

