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LDGSUPH LDGSUPH111

LDGSUPH Y-30 Charging Socket 220V 16A Instruction Manual

Model: Y-30 (LDGSUPH111)

1. Introduction

This manual provides essential information for the safe and effective installation, operation, and maintenance of your LDGSUPH Y-30 Charging Socket. This 220V 16A charging socket is designed as a replacement part for various electric vehicles, including Wuling, LvTong, Excar, and Eagle models. Please read this manual thoroughly before installation and use.

2. Safety Information

- Always disconnect power before installing or servicing the charging socket.
- Installation should be performed by a qualified technician to ensure proper wiring and safety.
- Ensure the voltage and current ratings of the charging socket (220V, 16A) match your vehicle's requirements and charging infrastructure.
- Do not use the socket if it appears damaged or if any wires are exposed.
- Keep children away from the charging area during operation.
- The product is waterproof; however, avoid submerging it in water or exposing it to extreme conditions beyond its design specifications.

3. Package Contents

Verify that all components are present and undamaged upon opening the package.



Figure 3.1: Package Contents. The image displays the LDGSUPH Y-30 charging socket, four metal pins for electrical connections, and two mounting screws, along with a circular cover plate.

- 1 x Y-30 Charging Socket
- 4 x Electrical Connection Pins
- 2 x Mounting Screws
- 1 x Circular Cover Plate

4. Setup and Installation

The Y-30 Charging Socket is designed for easy installation. Follow these steps carefully:

1. **Prepare Mounting Location:** Identify a suitable, flat surface on your electric vehicle for mounting the charging socket. Ensure there is enough space for the socket and its wiring. Refer to the dimensions below for precise fitting.



Figure 4.1: Socket Dimensions. The image shows the front view of the Y-30 charging socket with its approximate dimensions: 50mm (1.97 inches) in width and 68mm (2.68 inches) in height.

2. **Drill Mounting Holes:** Using the socket as a template, mark and drill pilot holes for the mounting screws. Ensure the holes align correctly with the socket's mounting points.
3. **Connect Wiring:** Carefully connect the vehicle's charging wires to the corresponding pins on the back of the Y-30 socket. Ensure correct polarity and secure connections. The socket is rated for 220V and 16A.



Figure 4.2: Rear View and Electrical Ratings. This image displays the rear of the Y-30 charging socket, clearly indicating its electrical specifications: AC220V 16A.

4. **Mount the Socket:** Position the socket over the drilled holes and secure it firmly using the provided mounting screws. Do not overtighten.
5. **Test Connection:** After installation, perform a test charge with a compatible charging cable to ensure proper functionality and secure electrical connection.

5. Operating Instructions

To use the Y-30 Charging Socket:

1. Ensure your electric vehicle is turned off and parked safely.
2. Open the protective cover of the Y-30 charging socket.
3. Insert the compatible charging cable plug firmly into the socket.
4. Connect the other end of the charging cable to a suitable 220V 16A power source.
5. Monitor the vehicle's charging indicator to confirm charging has begun.
6. Once charging is complete, disconnect the charging cable from the power source first, then from the Y-30 socket.
7. Close the protective cover of the Y-30 socket to protect it from environmental elements.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your charging socket.

- **Cleaning:** Periodically wipe the exterior of the socket with a clean, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the socket for any signs of wear, damage, or corrosion. Check for loose connections or cracks in the housing.

- **Protective Cover:** Always ensure the protective cover is closed when the socket is not in use to prevent dust, dirt, and moisture ingress.
- **Waterproof Feature:** While designed to be waterproof, avoid direct high-pressure water jets on the socket.

7. Troubleshooting

If you encounter issues with your Y-30 Charging Socket, consider the following:

- **No Power/Charging:**
  - Check the power source and charging cable for damage or malfunction.
  - Ensure the charging cable is fully inserted into the socket.
  - Verify that the vehicle's charging system is active.
- **Loose Connection:**
  - Ensure the socket is securely mounted and all internal wiring connections are tight.
  - Inspect the charging cable plug for wear or damage that might prevent a secure fit.
- **Overheating:**
  - Immediately disconnect power if the socket or cable feels excessively hot.
  - Ensure the current draw does not exceed the socket's 16A rating.
  - Consult a qualified technician for inspection.

If problems persist, contact customer support.

8. Specifications

Model Name	Y-30
Manufacturer Model Number	LDGSUPH111
Voltage Rating	220V AC
Current Rating	16A
Material	High temperature and corrosion resistant materials
Features	Waterproof design, stable power support, easy installation
Item Weight	1.76 ounces (approx. 50 grams)
Package Dimensions	0.39 x 0.39 x 0.39 inches (approx. 1 x 1 x 1 cm) - *Note: This appears to be a placeholder dimension. Refer to Figure 4.1 for actual product dimensions.*
Manufacturer	LDGSUPH

9. Warranty Information

This LDGSUPH Y-30 Charging Socket comes with a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the product packaging or contact LDGSUPH customer support. The warranty does not cover damage caused by improper installation, misuse, neglect, or unauthorized modifications.

10. Support

For technical assistance, troubleshooting, or inquiries regarding your LDGSUPH Y-30 Charging Socket, please contact LDGSUPH customer support. Please have your product model number (LDGSUPH111) and purchase information ready when contacting support.
You may find additional resources and contact information on the official LDGSUPH website or through your retailer.

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