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> [JATRHG S1 7kW 8M 32A Single-Phase EV Charging Station User Manual](#)

## JATRHG JATRHG-S1

# JATRHG S1 7kW 8M 32A Single-Phase EV Charging Station User Manual

Model: JATRHG-S1 | Brand: JATRHG

## 1. INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of the JATRHG S1 7kW 8M 32A Single-Phase EV Charging Station. Please read this manual thoroughly before installation and use to ensure proper function and to prevent damage or injury. Keep this manual for future reference.

## 2. SAFETY INFORMATION

### Important Safety Warnings:

- Installation:** This device must be installed by a qualified electrician in accordance with local standards and regulations. Incorrect installation can lead to risks of electric shock or fire.
- Usage:** Use this equipment only for its intended purpose. Any modification or inappropriate use may result in damage or safety risks.
- Supervision:** Do not leave the device operating unattended. In case of any problem, switch it off immediately and consult a professional.
- Environment:** Use the equipment under recommended conditions. Avoid exposure to excessive humidity or extreme temperatures. The unit is IP66 rated for outdoor use, but extreme conditions should still be avoided.
- Maintenance:** Do not attempt to repair the device yourself. Entrust all repairs to a qualified technician.
- Children and Animals:** Keep the equipment out of reach of children and animals.
- Disconnection:** Disconnect the device in an emergency to prevent any danger.
- Overheating Protection:** The system includes integrated safety measures. If the internal chip temperature becomes too high, the system will suspend charging to protect the charging system.

## 3. PRODUCT COMPONENTS

The JATRHG S1 EV Charging Station package includes the following components:

# JATRIG

- EV -



charging station; Plaque ;Input cable 1M; Charging cable 8M;  
Connector EV type 2;Screw kit



- |                    |                       |                     |                  |
|--------------------|-----------------------|---------------------|------------------|
| 1 Charging station | 2 Connector EV type 2 | 3 Charging cable 8M | 4 Input cable 1M |
| 5 Plaque           | 6 Plug holder         | 7 Screw kit         | 8 User manual    |

Figure 3.1: Product Components Overview

- 1. Charging Station:** The main unit for EV charging.
- 2. Connector EV Type 2:** Standard connector for electric vehicles.
- 3. Charging Cable (8M):** Cable for connecting the station to the EV.
- 4. Input Cable (1M):** Cable for connecting the station to the power supply.
- 5. Plaque:** Mounting plate for installation.
- 6. Plug Holder:** For storing the EV connector when not in use.
- 7. Screw Kit:** Hardware for mounting.
- 8. User Manual:** This instruction guide.

## 4. SETUP AND INSTALLATION

The JATRIG S1 charging station is designed for fixed installation. Due to the electrical nature of the device, installation must be

performed by a qualified and certified electrician to ensure safety and compliance with local electrical codes.

## 4.1 Installation Environment

The unit features a professional IP66 waterproof design, making it suitable for outdoor environments. Its reinforced multi-layer, modular construction enhances its resistance to water, sun, and flame. The casing is also designed for efficient heat dissipation.



Figure 4.1: Structural Waterproof Design

The charging station's robust design ensures durability and safety in various outdoor conditions.

## 4.2 Mounting the Charging Station

The charging station can be installed as an embedded unit, optimizing its casing structure for enhanced outdoor protection. Refer to the included screw kit and plaque for secure mounting.

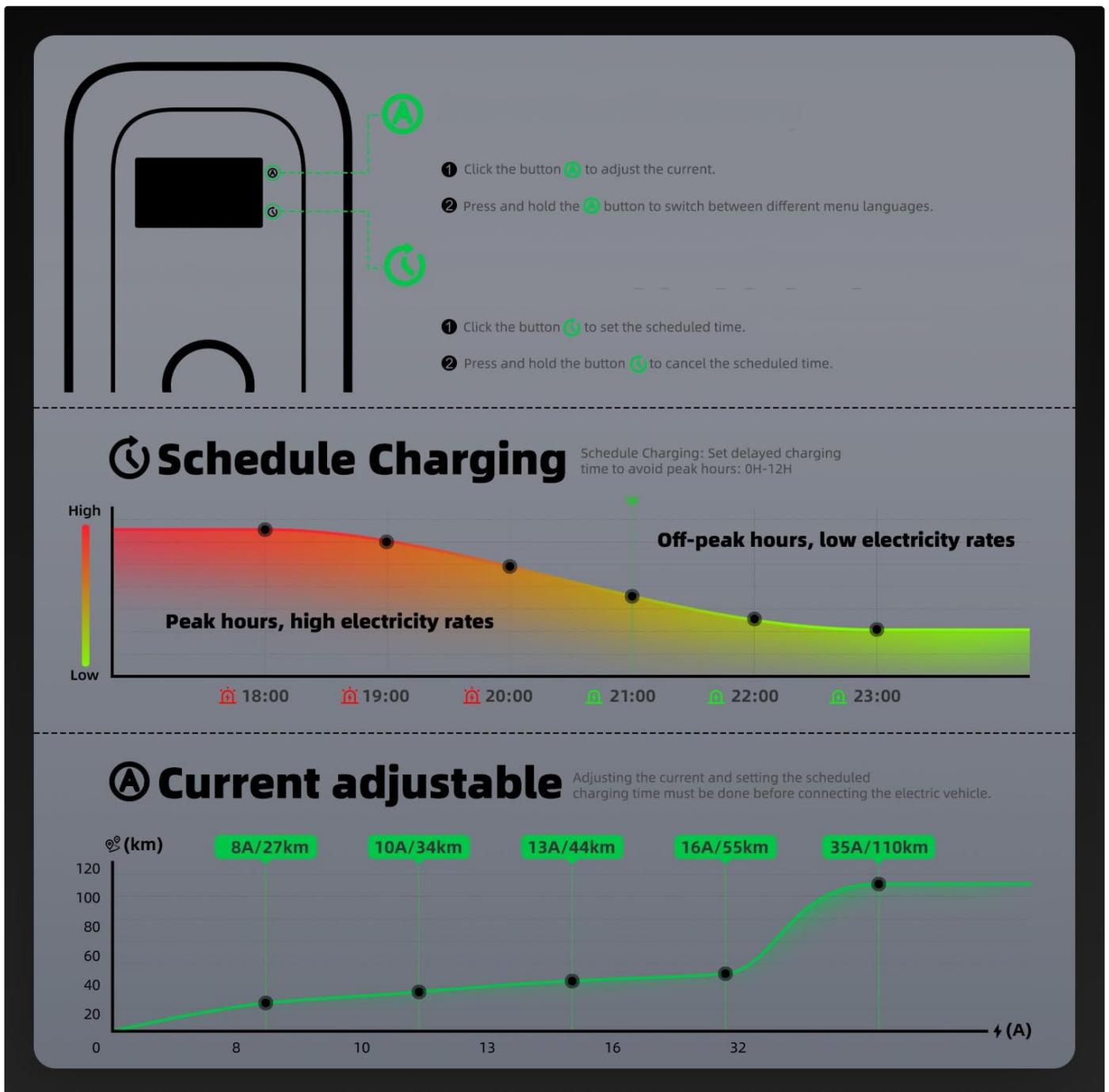


Figure 4.2: Embedded Installation Example

The unit is designed for seamless and protected integration into your environment.

### 4.3 Electrical Connection

Connect the 1-meter input cable to your main power supply. Ensure all connections are secure and meet local electrical safety standards. The 8-meter TPU charging cable is TUV certified, providing sufficient length and safety for connecting to your electric vehicle.

# Drive on Sunshine

JATRHG is leveraging our charging stations and solar carports to build a comprehensive green system. By choosing JATRHG charging stations, you are actively participating in creating a more sustainable future.

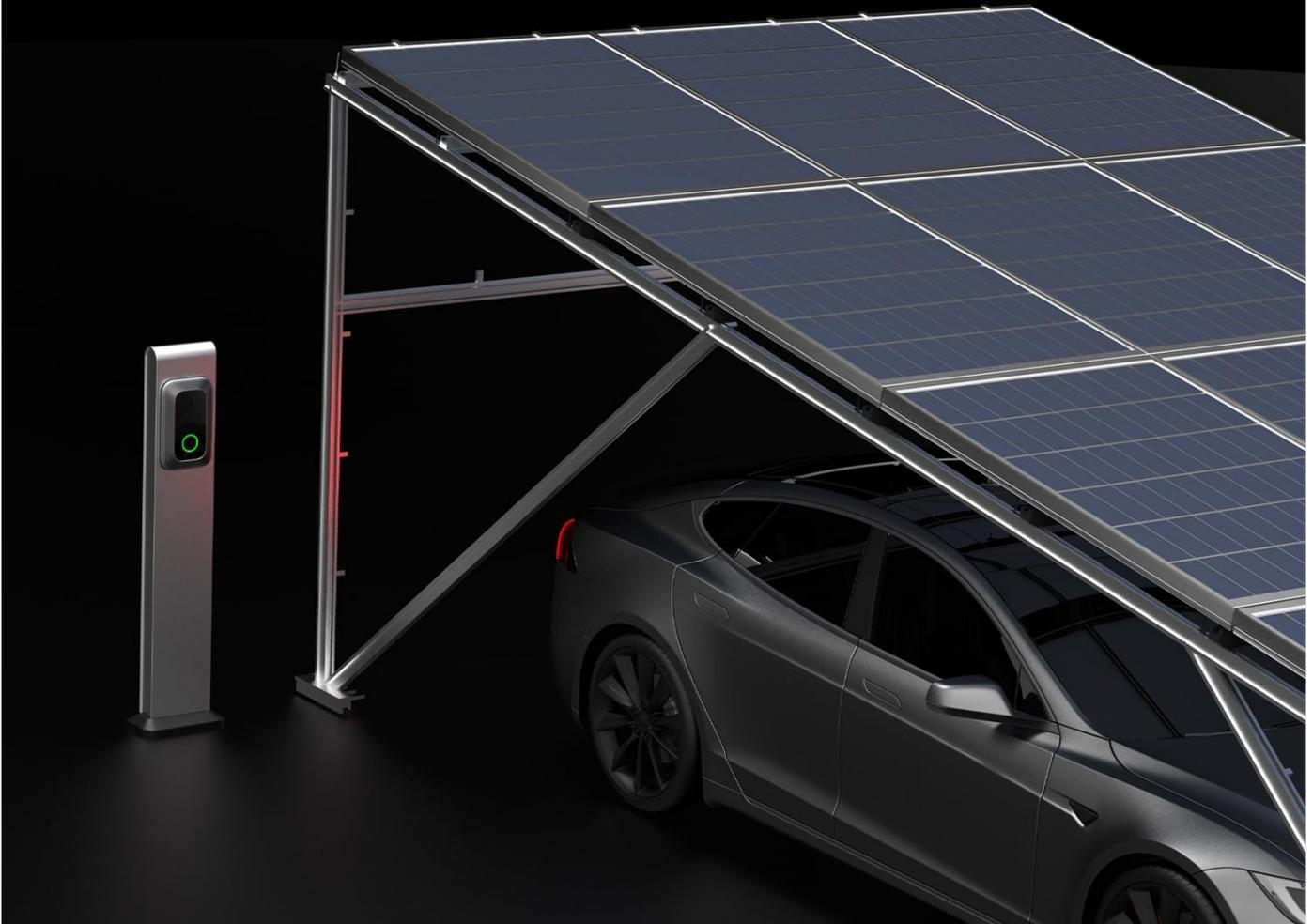


Figure 4.3: TPU Cable and Connection

The TUV certified 8-meter cable provides flexibility and safety for charging.

## 5. OPERATING INSTRUCTIONS

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The JATRHG S1 charging station features an intuitive interface for easy operation.

### 5.1 Current Adjustment

To adjust the charging current:

1. Click the power button (labeled 'A' in Figure 5.1) to cycle through different current options: 32A, 16A, 13A, 10A, 8A.
2. The selected current will be automatically saved for future charging sessions.

### 5.2 Scheduled Charging

To set a delayed start time for charging:

1. Click the timing button (labeled 'B' in Figure 5.1) to choose a delay between 0 and 12 hours.
2. This feature allows you to schedule charging during off-peak electricity hours.
3. To cancel a scheduled time, press and hold the timing button.

### **5.3 Language Selection**

The charging station supports multiple languages:

1. Press and hold the power button (labeled 'A' in Figure 5.1) to automatically switch between English, French, German, Italian, and Spanish.
2. The selected language will be automatically saved.
3. All on-screen messages will be displayed in the configured language.

Démarrer ou arrêter la recharge,  
Verrouiller ou déverrouiller la borne,  
Sélectionner le mode de charge,  
Consulter en direct les informations électriques  
telles que la tension,  
le courant et la puissance.

Les dates et heures de chaque session,  
La durée de charge,  
L'énergie consommée (kWh),  
Le suivi global de votre consommation.

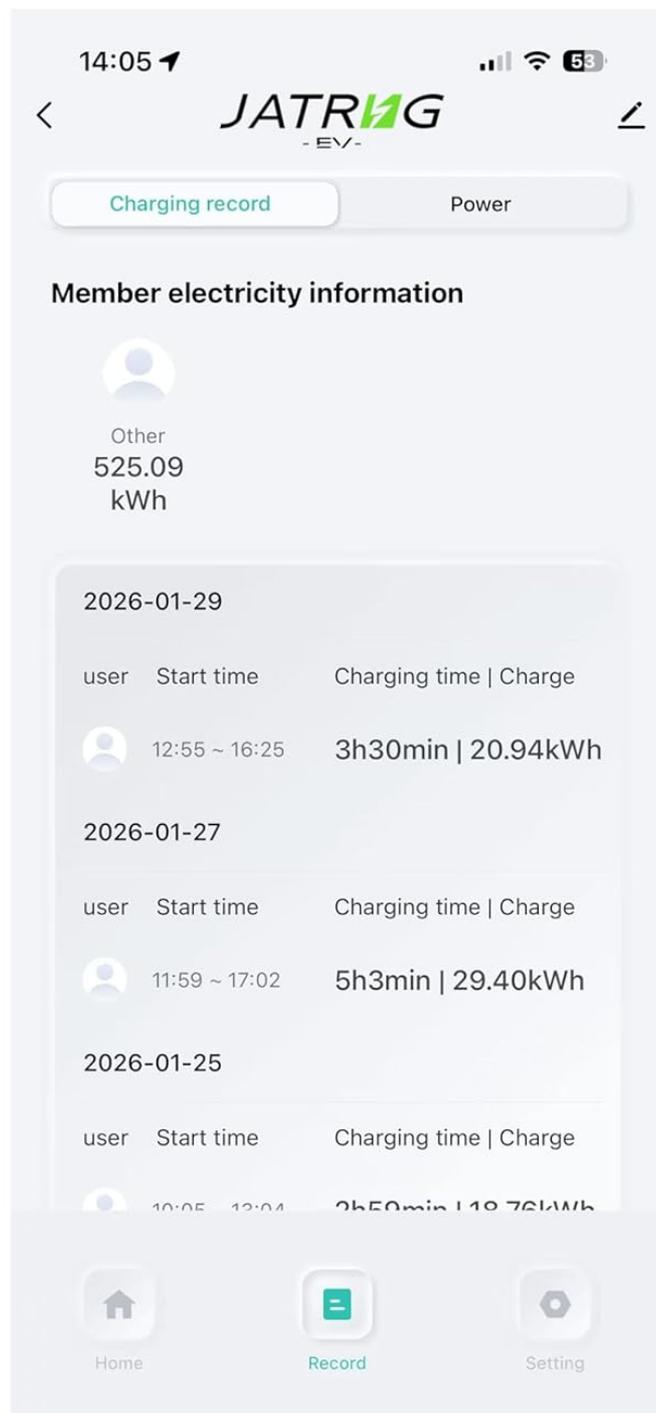
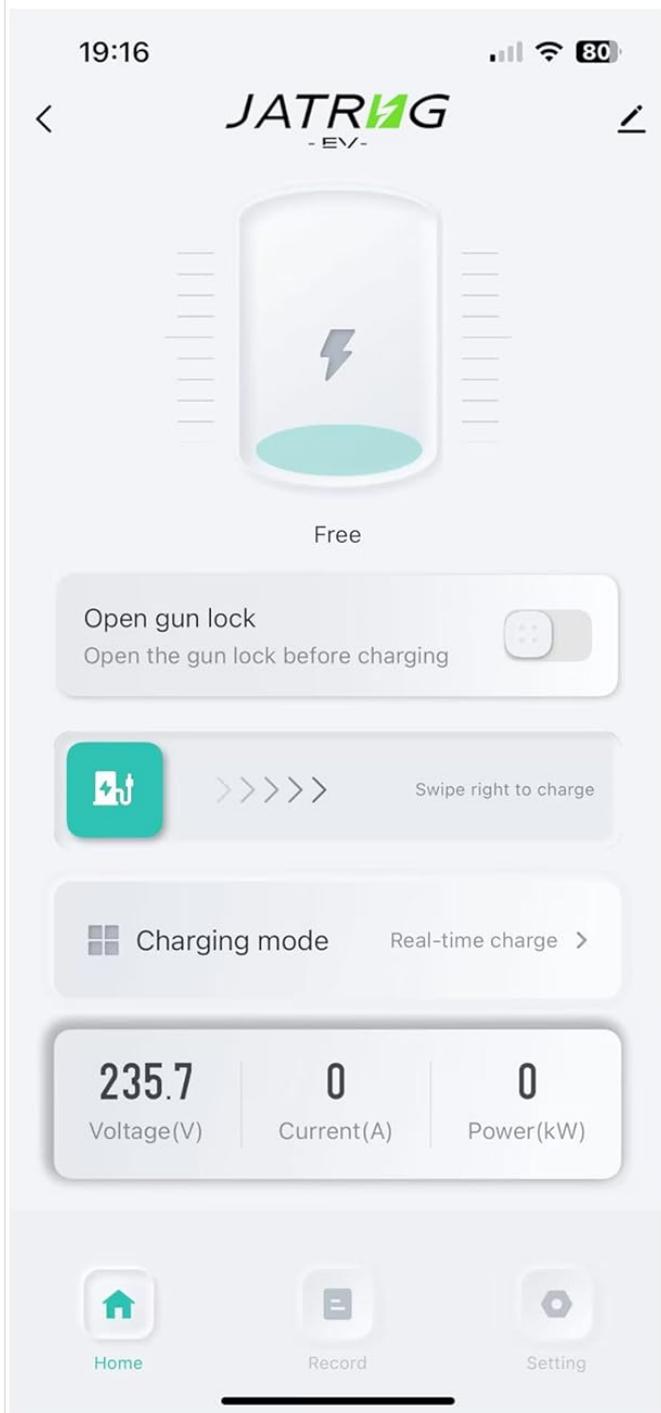


Figure 5.1: Button Functions and Charging Options

The 'A' button adjusts current and selects language. The 'B' button sets or cancels scheduled charging.



Figure 5.2: Multi-Language Display Examples

The display provides clear information in your chosen language.

## 5.4 Energy Saving Mode

The charging station utilizes a low-power chip control system with a built-in software sleep function to minimize energy consumption. To wake the system, press any button or unplug the charger.

## 6. MAINTENANCE

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

- **Cleaning:** Periodically clean the exterior of the charging station with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the unit is powered off before cleaning.
- **Cable Inspection:** Regularly inspect the charging cable and connector for any signs of wear, damage, or fraying. If any damage is observed, discontinue use and contact a qualified technician.
- **Ventilation:** Ensure that the heat dissipation areas on the casing are not obstructed to maintain proper airflow.

- **Professional Service:** Do not attempt to open or repair the unit yourself. All repairs and internal maintenance must be performed by a qualified service technician.

## 7. TROUBLESHOOTING

If you encounter issues with your JATRHG S1 charging station, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Charging does not start	<ul style="list-style-type: none"> <li>◦ Charging cable not properly connected.</li> <li>◦ Vehicle not ready to charge.</li> <li>◦ Scheduled charging active.</li> <li>◦ Power supply issue.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Ensure both ends of the charging cable are securely plugged in.</li> <li>◦ Check your vehicle's charging status.</li> <li>◦ Verify if a charging schedule is set and wait for the scheduled start time, or cancel it.</li> <li>◦ Check the circuit breaker for the charging station's power supply.</li> </ul>
Charging stops unexpectedly	<ul style="list-style-type: none"> <li>◦ Overheating protection activated.</li> <li>◦ Vehicle battery full.</li> <li>◦ Power interruption.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Allow the unit to cool down. Ensure proper ventilation.</li> <li>◦ Check your vehicle's battery level.</li> <li>◦ Verify the power supply.</li> </ul>
Display is blank or unresponsive	<ul style="list-style-type: none"> <li>◦ Unit in sleep mode.</li> <li>◦ No power.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Press any button to wake the system.</li> <li>◦ Check the power supply and circuit breaker.</li> </ul>

If the problem persists after attempting these solutions, please contact customer support or a qualified electrician.

## 8. SPECIFICATIONS

Feature	Detail
Brand	JATRHG
Model Number	JATRHG-S1
Power Output	7 kW
Cable Length	8 meters (TPU)
Current Rating	32 A
Input Voltage	230 Volts
Output Voltage	400 Volts
Connector Type	Type 2 (IEC 62196-2)
Ingress Protection (IP) Rating	IP66
Operating Temperature	-30°C to +50°C
Fire Retardant Class	UL 94 V-0
Certifications	CE, RoHS, TUV (cable)
Product Dimensions (P x L x H)	10 x 22 x 36 centimeters

Feature	Detail
Item Weight	6 Kilograms
Number of Ports	1

## 9. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation provided with your purchase or contact JATRHG customer service. Keep your proof of purchase for warranty claims.

**Contact Information:** Please refer to the manufacturer's official website or your retailer for the most up-to-date contact details for support.