

JATRHG JATRHG-S1

JATRHG S1 7kW 8M 32A Single-Phase Type 2 EV Charging Station User Manual

Model: JATRHG-S1

1. INTRODUCTION

This user manual provides essential information for the safe and efficient operation of your JATRHG S1 7kW 8M 32A Single-Phase Type 2 EV Charging Station. Please read this manual thoroughly before installation and use, and retain it for future reference. Adherence to these instructions will ensure optimal performance and longevity of your charging station.

2. PRODUCT OVERVIEW

The JATRHG S1 EV Charging Station is designed for reliable and efficient electric vehicle charging. Familiarize yourself with its components:

JATRUG

- EV -



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



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|--------------------|-----------------------|---------------------|------------------|
| 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 2.1: Product Components

1. Charging Station, 2. Type 2 EV Connector, 3. 8m Charging Cable, 4. 1m Input Cable, 5. Mounting Plaque, 6. Plug Holder, 7. Screw Kit, 8. User Manual.

3. SAFETY INFORMATION

Please observe the following safety guidelines to prevent injury, damage, or malfunction:

- **Professional Installation:** This device must be installed by a qualified electrician in accordance with all local electrical codes and standards. Incorrect installation can lead to risks of electrocution or fire.
- **Intended Use:** Use this equipment solely for its intended purpose of charging electric vehicles. Any modification or inappropriate use may result in damage or safety hazards.
- **Supervision:** Do not leave the charging station operating unsupervised. In case of any problem or unusual behavior, immediately turn off the power and consult a professional.
- **Environmental Conditions:** Operate the equipment within the recommended environmental conditions. Avoid exposure to excessive humidity, direct water spray, or extreme temperatures. The unit is designed for outdoor use with IP66 rating, but extreme conditions should be avoided.

- **Maintenance:** Do not attempt to repair the device yourself. All repairs must be performed by a qualified technician. Inadequate maintenance may void the warranty.
- **Child and Animal Safety:** Keep the charging equipment out of reach of children and animals.
- **Emergency Disconnection:** In an emergency, disconnect the device from the power supply to prevent any danger.
- **Correct Use:** The user must strictly follow the manufacturer's instructions. Any incorrect use or unauthorized modification of the charging station is the sole responsibility of the user. The manufacturer and reseller are not liable for direct or indirect damages resulting from such actions.
- **Vehicle Compatibility:** Ensure your vehicle is compatible with the technical specifications of this charging station. The manufacturer is not responsible for damages due to incompatibility.

4. INSTALLATION

The JATRHG S1 charging station is designed for robust outdoor use and embedded installation. Professional installation is mandatory.

4.1 Structural Waterproof Design

The charging station features a multi-layer, modular construction, ensuring excellent waterproofing (IP66 rated), sun protection, and flame retardancy. This design makes it suitable for various outdoor environments.

Structural Waterproof Design

Specifically designed for outdoor use with a multi-layer, modular construction. Waterproof, sunproof and flame-retardant.



Figure 4.1: Structural Waterproof Design

4.2 Embedded Installation

The optimized casing structure is ideal for embedded installation, further enhancing its outdoor protection rating and providing a clean, integrated look.

Embedded Installation

Optimized casing structure, ideal for embedded installation, enhancing outdoor protection rating.



Figure 4.2: Embedded Installation Example

4.3 Integrated Type B RCD Protection

The charging station is equipped with an integrated Type B Residual Current Device (RCD) (AC 30mA + DC 6mA) for enhanced safety. This integrated motherboard solution replaces costly external modules.

5. OPERATING INSTRUCTIONS

Follow these steps for effective use of your JATRHG S1 charging station.

5.1 Multilingual Interface

The charging station features a multilingual menu for ease of use. To change the language, press and hold button 'A' on the device interface. The interface supports English, French, German, Spanish, and Italian.



Figure 5.1: Multilingual Display Options



Figure 5.2: Control Buttons and Display

Click button 'A' to adjust current. Press and hold button 'A' to change menu language.

5.2 Manual Load Shedding (Current Adjustment)

You can manually adjust the charging current to increase or reduce power consumption based on your current electrical load. This feature helps prevent overloads and circuit breaker trips. Available settings include 32A, 24A, 16A, 13A, and 8A.

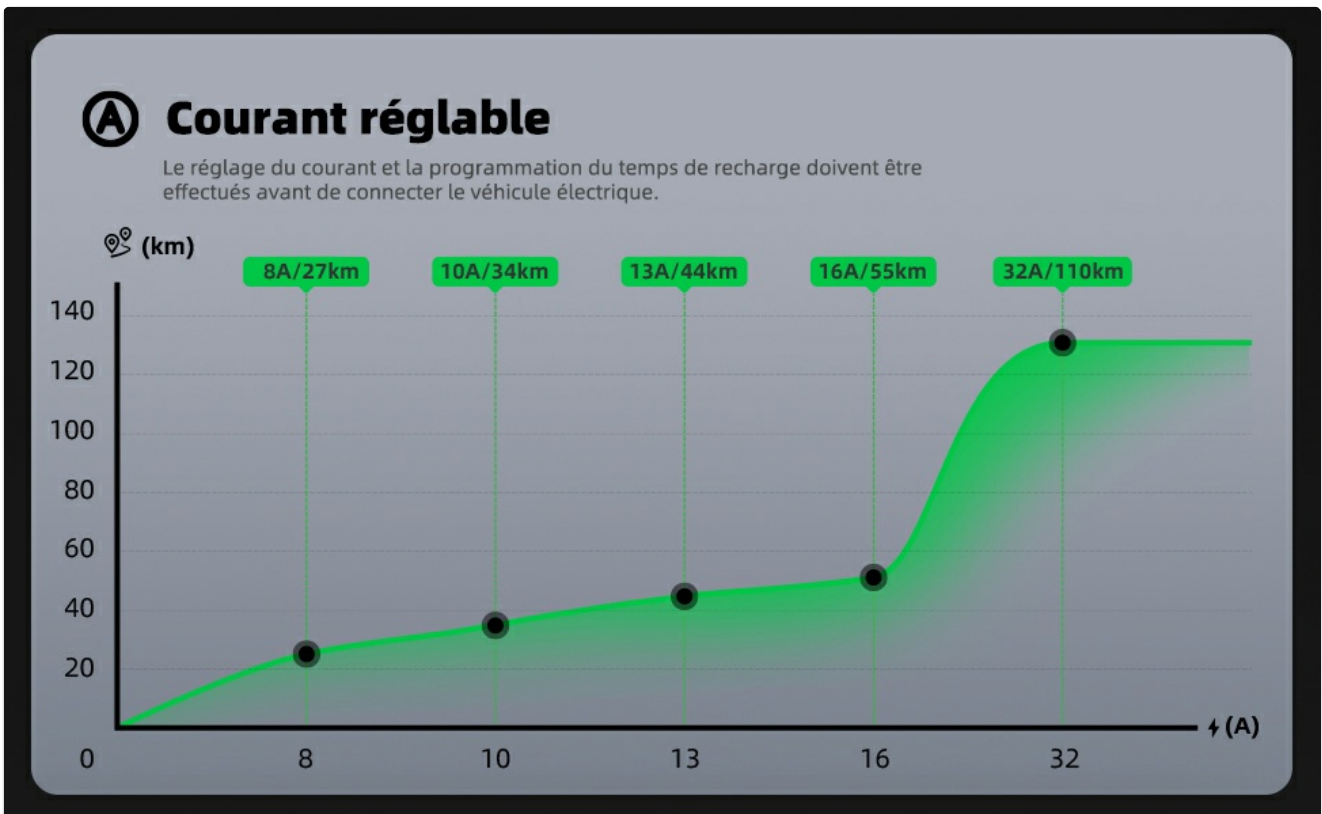


Figure 5.3: Adjustable Current Graph

Adjust current and set charging schedule before connecting the vehicle.

5.3 Schedule Charging

The charging station allows you to schedule charging times to take advantage of off-peak electricity rates. You can set a delayed charging time from 0 to 12 hours.

- Click button 'B' to set the scheduled time.
- Press and hold button 'B' to cancel the scheduled time.

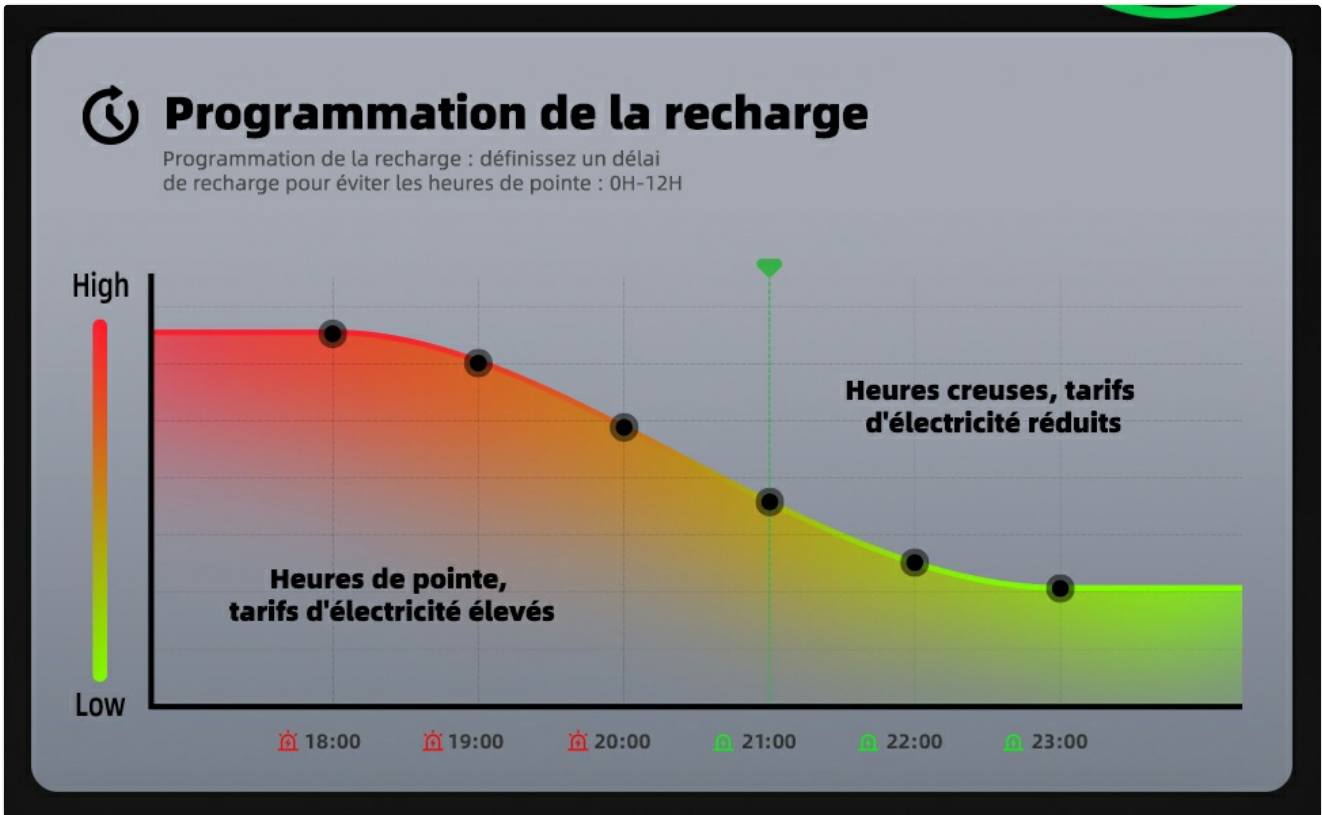


Figure 5.4: Electricity Tariff Schedule Example
Schedule charging to avoid peak hours (18:00-23:00).



Figure 5.5: Multilingual Timer Interface

5.4 Mobile Application Control

The charging station can be controlled via a mobile application, allowing you to:

- Start or stop charging.
- Lock or unlock the charging station.
- View real-time electrical information (voltage, current, power).
- Access charging records, including dates, times, duration, and energy consumed (kWh).
- Monitor your overall consumption.

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.

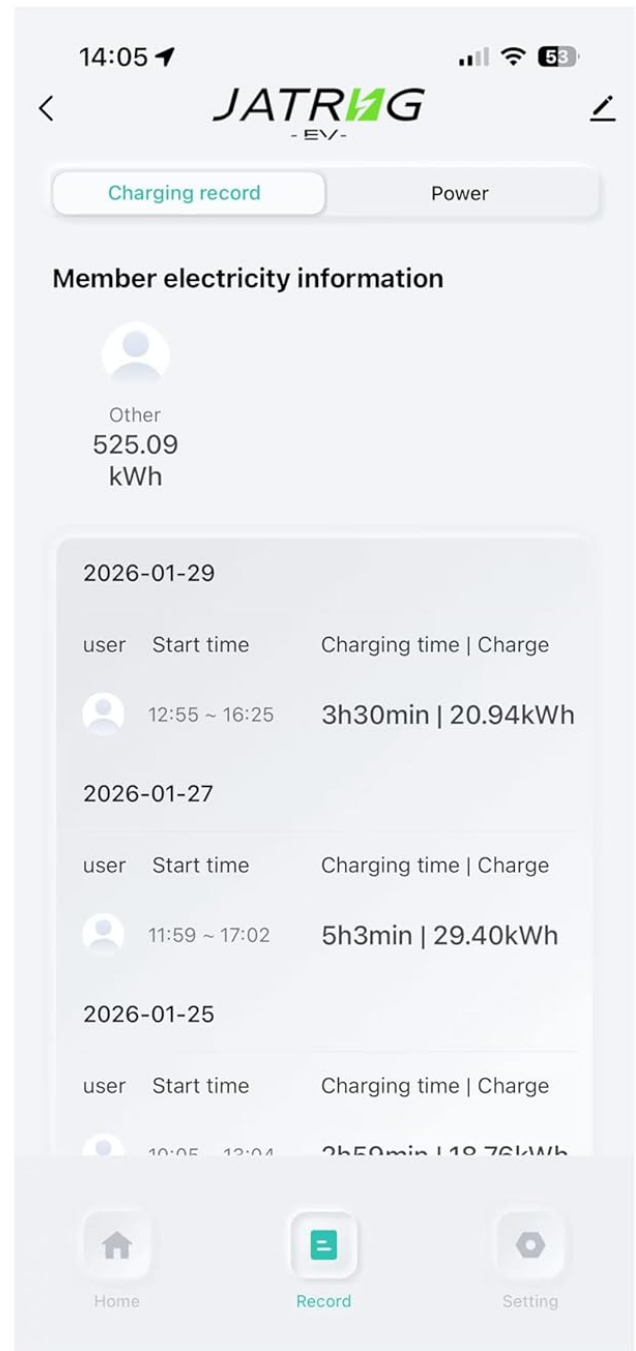
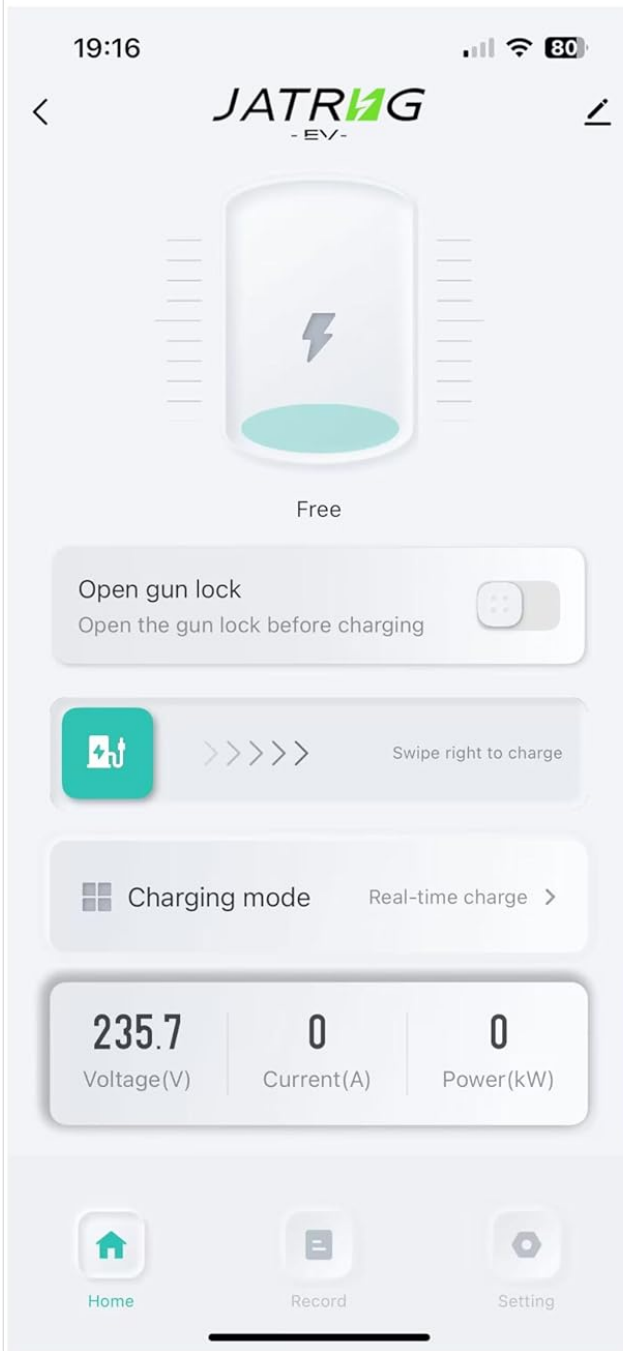


Figure 5.6: Mobile Application Interface

5.5 Vehicle Compatibility

The JATRHG S1 charging station is compatible with all 100% electric vehicles, plug-in hybrids, and extended-range electric vehicles, regardless of brand, that use a Type 2 IEC 62196-2 connector.

5.6 Charging Cable

The charging station comes with an 8-meter TPU cable, providing ample length to meet various charging distance requirements.

TPU Cable TUV Certified

8M cable length to meet your charging distance requirements.



Figure 5.7: 8-Meter TPU Charging Cable

6. MAINTENANCE

To ensure the continued safe and efficient operation of your charging station, regular maintenance is required. This should be performed by qualified professionals. Inadequate maintenance may void the product warranty.

- Periodically inspect the charging cable and connector for any signs of wear, damage, or corrosion.
- Ensure the charging station's housing is clean and free from debris.
- Do not use harsh chemicals or abrasive materials for cleaning.
- Any internal inspection or repair must be carried out by a certified technician.

7. TROUBLESHOOTING

If you encounter issues with your JATRHG S1 charging station, consider the following general troubleshooting steps:

- **No Power:** Check the circuit breaker in your electrical panel. Ensure the input cable is securely connected.
- **Charging Not Starting:** Verify that the charging cable is properly connected to both the station and your vehicle. Ensure your vehicle is ready to accept a charge. Check the display for any error messages.
- **Slow Charging:** Confirm the current setting (Manual Load Shedding) is appropriate for your needs. Ensure your vehicle's charging settings are not limiting the input.
- **Error Message on Display:** Refer to the specific error code displayed. If the issue persists, disconnect the power, wait a few minutes, and reconnect.
- **Overheating Alert:** The station has a high-temperature alert function. If this occurs, stop charging immediately and allow the unit to cool down. Ensure proper ventilation around the unit.

For persistent issues or complex problems, contact a qualified electrician or JATRHG customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	JATRHG
Model Number	JATRHG-S1
Power Output	7 kW
Input Voltage	230 Volts
Output Voltage	400 Volts
Current Rating	32 A (Adjustable: 32A, 24A, 16A, 13A, 8A)
Connector Type	Type 2 IEC 62196-2
Cable Length	8 Meters
Product Dimensions (L x W x H)	10P x 22I x 36H Centimeters
Item Weight	6 Kilograms
Number of Ports	1
Certifications	CE, RoHS, IP66
Manufacturer	TAMITO SAS
Country of Origin	China

9. WARRANTY AND SUPPORT

The JATRHG S1 EV Charging Station comes with a **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

The warranty may be voided by:

- Improper installation not performed by a qualified electrician.

- Unauthorized modifications or repairs.
- Use outside of intended purpose or recommended environmental conditions.
- Inadequate or non-professional maintenance.

For warranty claims, technical support, or any questions regarding your charging station, please contact JATRHG customer service through your purchase platform or the official JATRHG website. Please have your model number (JATRHG-S1) and proof of purchase ready when contacting support.