NACS INFRA
73A1-0139-30(40A),
73A1-0140-30(80A)
User Manual

Please understand that any modifications to the User Manual will not be notified separately.

YAZAKI (CHINA) INVESTMENT CORPORATION

Table of Contents

1. Introduction

2. Safety Instructions

3. Product Overview

4. Specifications

5. Operation Instructions

6. Maintenance and Care

7. Warranty and Support

8. FCC Statement

1. Introduction

Thank you for choosing our Electric Vehicle (EV) Charging Gun. This user manual provides essential information on the safe and efficient use of the charging gun. Please read this manual carefully before using the product to ensure proper operation and avoid potential hazards.

2. Safety Instructions

Before using the charging gun, please adhere to the following safety precautions:

- Do not use the charging gun in wet or humid conditions. Ensure the charging environment is dry and well-ventilated.
- Inspect the charging gun and cable before each use.
- Do not use if there are signs of damage, such as cracks, exposed wires, or loose connections.
- Only use the charging gun with compatible electric vehicles and charging stations. Using it with incompatible devices may cause damage or safety hazards.
- Keep the charging gun away from children and pets. Misuse may result in injury or equipment damage.
- Do not disassemble or modify the charging gun. Unauthorized repairs or modifications may void the warranty and compromise safety.
- In case of malfunction, stop using the charging gun immediately and contact customer support.

3. Product Overview

The EV Charging Gun is designed for fast and reliable charging of electric vehicles. It features:

Ergonomic design for comfortable handling.

Durable materials to withstand frequent use.

Safety mechanisms such as overcurrent protection, overvoltage protection, and temperature monitoring.

4. Specifications

NACS INFRA	
Model Number	73A1-0139-30
INPUT VOLTAGE	1000V
Maximum Current	40A
Cable Length	5m
Dimensions (Overall)	47.7mm×46.8mm×224.3mm
Insulation Resistance	⩾ 500 MΩ
Operating Temperature	-40°C to +60°C
Protection Rating	IP67 (dust and water-resistant)

NACS INFRA	
Model Number	73A1-0140-30
INPUT VOLTAGE	1000V
Maximum Current	80A
Cable Length	5m
Dimensions (Overall)	47.7mm×46.8mm×224.3mm
Insulation Resistance	⩾ 500 MΩ
Operating Temperature	-40°C to +60°C
Protection Rating	IP67 (dust and water-resistant)

5. Operation Instructions

Step 1: Preparation

1. Ensure your electric vehicle is parked and the ignition is turned off.
2. Verify that the charging station is compatible with your vehicle and the charging gun.

Step 2: Connecting the Charging Gun

1. Remove the protective cap from the charging gun connector.
2. Insert the connector into the vehicle's charging port until it clicks into place.
3. Check the LED indicators on the charging station to confirm a secure connection.

Step 3: Charging

1. Follow the instructions on the charging station to initiate the charging process.
2. Monitor the LED indicators.

Step 4: Disconnecting

1. Once charging is complete, stop the process via the charging station or vehicle interface.
2. Press the release button on the charging gun and gently remove it from the vehicle's charging port.
3. Replace the protective cap on the connector.

6. Maintenance and Care

Regular Inspection: Check the cable and connector for wear and tear. Replace if damaged.

Cleaning: Wipe the charging gun with a dry or slightly damp cloth. Do not use harsh chemicals or immerse the device in water.

Storage: Store the charging gun in a cool, dry place away from direct sunlight and extreme temperatures.

7. Warranty and Support

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8. FCC Statement

FCC regulatory conformance:
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.
NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.
RF Exposure
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter.