

**WARNING**

**These instructions must be adhered to during the installation, operation, and maintenance of the unit.**

1. Please thoroughly review all instructions before using this product.
2. When used in proximity to children, ensure constant supervision of this device.
3. Do not insert fingers into the electric vehicle connector.
4. Refrain from utilizing this product if the flexible power cord or EV cable displays signs of fraying, damaged insulation, or any other indications of wear.
5. Do not use this product if the enclosure or the EV connector is broken, cracked, open, or exhibits any other forms of damage.
6. To mitigate the risk of fire, exclusively connect to a circuit equipped with branch circuit over-current protection in accordance with the CSA C22.1–15 Canadian Electrical Code, Part 1 (Canada), NOM-001-SEDE Electrical Installations (Utility) (Mexico), or ANSI / NFPA 70 National Electrical Code (USA).
7. To prevent the risk of fire or electric shock, refrain from employing this device in conjunction with an extension cord.
8. THE APPROPRIATENESS OF UTILIZING FLEXIBLE CORDS IN ACCORDANCE WITH CE CODE, PART I, RULE 4-012, MUST BE DECIDED UPON BY THE LOCAL INSPECTION AUTHORITY WITH JURISDICTION.
9. There is a risk of electric shock. Do not remove the cover or attempt to access the enclosure. There are no serviceable components inside. For any servicing needs, please consult qualified service personnel.

<b>Circuit Breaker Options table</b>			
Output Amperage (A)	16A	32A	40A
Circuit Breaker Options (A)	20A	40A	50A

**This device complies with part 15 of the FCC Rules.**

**Operation is contingent upon compliance with the following two stipulations:**

This device shall not generate harmful interference.

This device must accept any interference it receives, including interference that might lead to unintended operation.

**Any alterations or adjustments made to this equipment that have not received explicit approval from the entity responsible for ensuring compliance may result in the user losing their authority to operate the unit.**

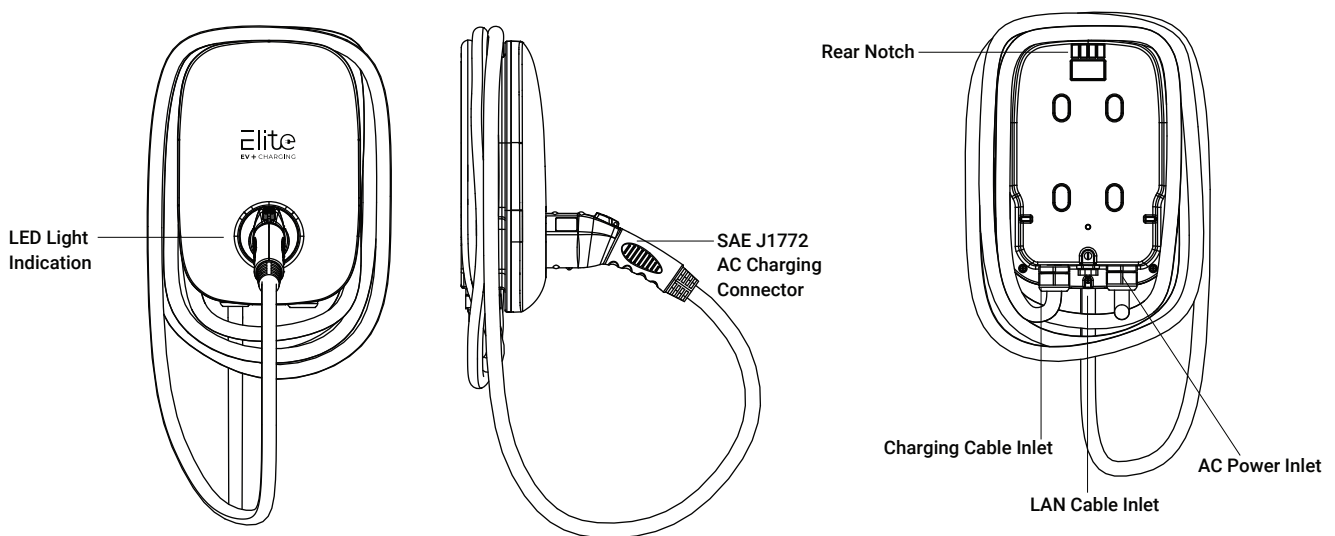
**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his or her own expense.

Wi-Fi module: Contians FCC ID:2AC7Z-ESPWROOM32D

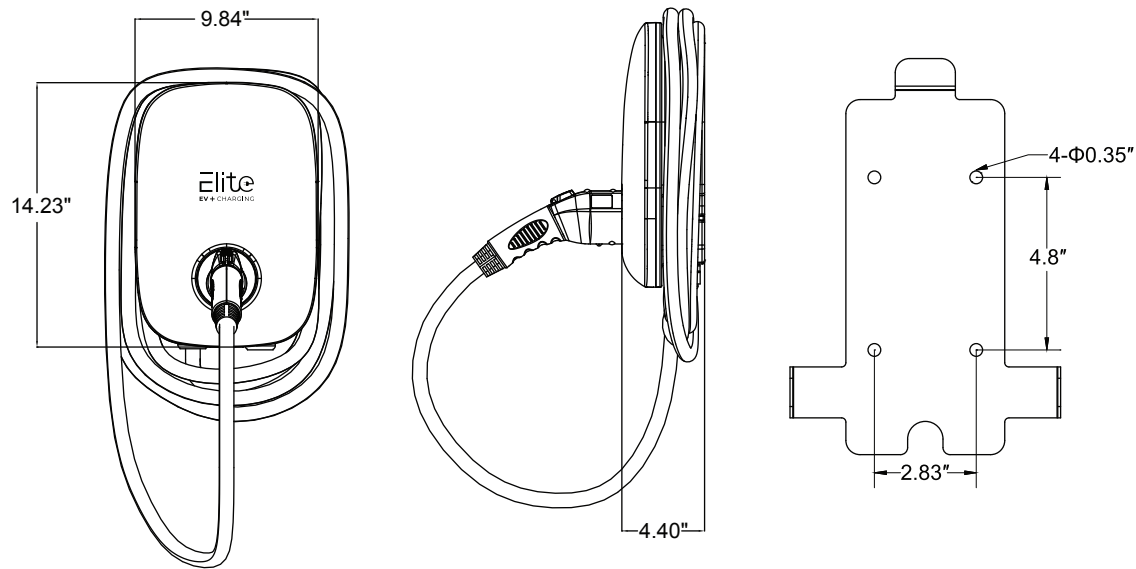
LTE module: Contians FCC ID:XMR202008EC25AFXD

To satisfy FCC RF exposure requirements, a separation distance of 20cm/ 7.87" or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended.

## Basic Interface



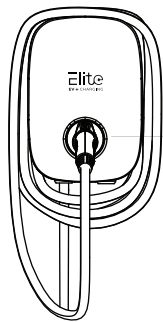
## Dimensions



## Design Standards

- UL 2594: Electric Vehicle Supply Equipment
- UL 2231-1: Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits: General Requirements
- UL 2231-2: Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits: Particular Requirements for Protection Devices for Use in Charging Systems
- UL 2251: Plugs, Receptacles and Couplers for Electric Vehicles
- UL 62: Flexible Cords and Cables
- UL 991: Tests for Safety-Related Controls Employing Solid-State Devices
- UL 1998: Software in Programmable Components
- NFPA 70 Article 625: National Electrical Code, Electric Vehicle Charging System
- UL 840 (Clearance and Creepage)

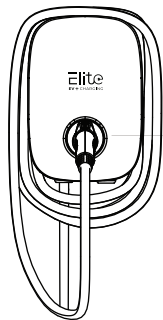
## Status Description of the Charger Indication Light



● **READY**

**Standby - Blue Light**

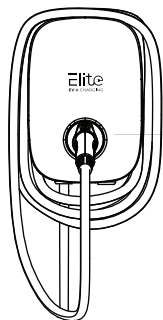
The READY light is steady in standby mode.



● **CHARGE**

**Ready to Charge - Green Light**

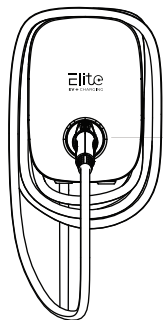
The light is steady when the charger is connected to the vehicle.



● **CHARGE**

**Charging - Green Light Flashing**

The CHARGE light will flash while the vehicle is charging.

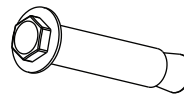
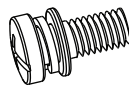
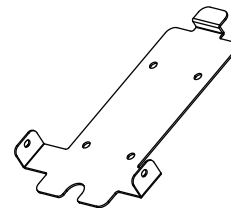
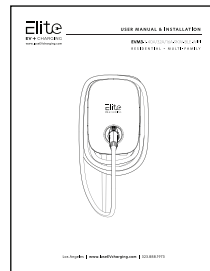
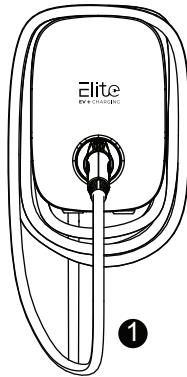


● **FAULT**

**Fault - Red Light**

The red light will come on when there is an error.

## Parts



## Safety Requirements

1. Be sure to preview the user manual and ensure local building and electrical codes are reviewed before installation.
2. The AC charger should be installed by a qualified technician according to the user manual and local safety regulations.
3. Use appropriate protection when connecting to the main power distribution cable.
4. Type B, C or D breaker with the rating current for table should be installed in the upstream AC distribution box.
5. Disconnect switch for each ungrounded conductor of AC input shall be provided by others in accordance with the National Electric Code, ANSI/NFPA 70.

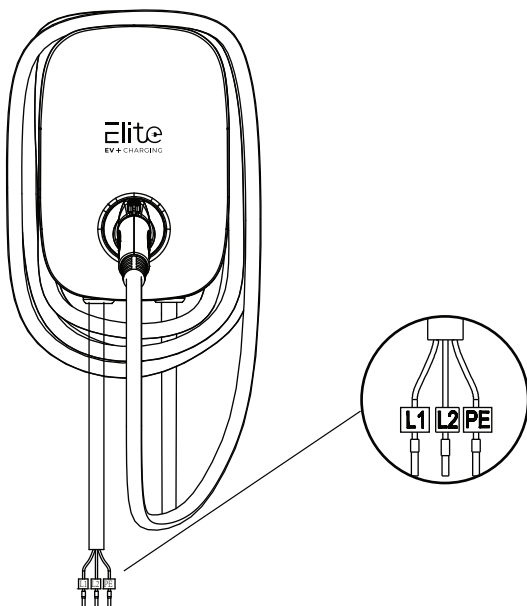
## Wiring

### GROUNDING INSTRUCTIONS

Grounding is an essential requirement for this product. In the event of a malfunction or breakdown, grounding serves as the path of least resistance for electrical current, thereby mitigating the risk of electric shock. This product is furnished with a cord featuring an equipment grounding conductor and a grounding plug. It is imperative that this plug be inserted into an appropriate outlet that has been correctly installed and grounded in accordance with all applicable local codes and regulations.

### WARNING

Incorrectly connecting the equipment-grounding conductor can pose an electric shock hazard. If you are uncertain about whether the product is correctly grounded, seek advice from a qualified electrician or serviceman. Avoid altering the plug that accompanies the product; if it doesn't fit the outlet, engage a qualified electrician to install a suitable outlet.



To ensure the safe utilization of electricity, it is imperative to incorporate circuit breaker protection at the charging pile's input section. Connect the L1 lead to the grid's L1, link the L2 lead to the grid's L2, and connect the PE lead to the grid's PE (for all versions).

Circuit Breaker Options table			
Output Amperage (A)	16A	32A	40A
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## Tools and Materials Required

Tools required before installing the Wall-Mounted charger, gather the following tools:

1. Wire stripper
2. Crimpers for European terminals
3. Phillips screwdriver for M5
4. Slotted screwdriver for 4~5.5MM
5. Adjustable Wrench M6
6. Head gasket screw 10-10.5mm
7. Voltmeter or digital multi-meter (for measuring AC voltage at the installation site)
8. The inserting cable should meet the best waterproof performance. It is recommended to use
9. 3 core / 7AWG cable (XLPE or equivalent cable) to pull the cable from the distribution box.
10. Level ruler
11. Pencil or marker
12. Machine drill

### Installation Instructions

This device should be mounted at a sufficient height from grade such that the height of the storage means for the coupling device is located between 600mm (24 inches) and 1.2m (4feet) from grade.



**EVM3-1-40A/32A/16A-9KW-BLE-WIFI**

1



Drill (x4) 8mm holes 2 inches deep using the mounting template.

2



Align the rear notch on the charger to the wall-mounted bracket.

Use (x4) expansion screw sets and M6 screw to secure the wall-mounted bracket.

3



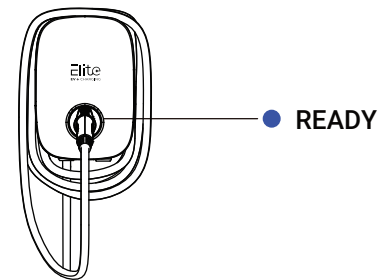
Drill (x2) M5 screws to complete the installation.

## Operation Instructions

### Operating Steps

#### Step 1: Standby Mode

After powering on, all lights should be on: blue light (READY), green light (CHARGE) and red light (FAULT). Standby mode to follow: blue light (READY) should be on and steady.



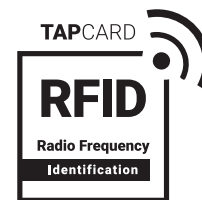
#### Step 2: Plug in

Plug the charging connector into the vehicle charging inlet.



#### Step 3: RFID Card

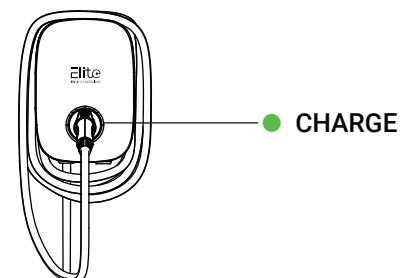
Touch the RFID card to the charger's front panel and then insert the charging connector within 120 seconds. Failure to do so within this time frame will necessitate tapping the RFID card once more.



#### Step 4: Charging

The green light (CHARGE) will flash automatically, charging is in process.

- If the red light (FAULT) is lighted, remove and reinsert the plug.
- If red light is still lighted, refer to "Error and Warning Messages"



#### Step 5: Charging complete

Once completed, the green light (CHARGE) will stay illuminated steadily. To disconnect, simply press the button located on the connector.



## Error and Warning Message

Status	Red Light	Action
Input OVP	1 flashes followed by 3 sec pause	Auto Recover
Input UVP	2 flashes followed by 3 sec pause	Auto Recover
Output OCP	3 flashes followed by 3 sec pause	Auto Recover
OTP	4 flashes followed by 3 sec pause	Auto Recover
RCD Abnormal	5 flashes followed by 3 sec pause	Auto Recover
Ground Fault	6 flashes followed by 3 sec pause	Auto Recover
Control Pilot Fault	Flicker	Auto Recover
MCU Self-Test Fail	Constantly Bright	Contact Customer Service
RCD Self-Test Fail	Constantly Bright	Contact Customer Service
Relay Self-Test Fail	Constantly Bright	Contact Customer Service
RCD Abnormal Stop Charging	Constantly Bright	Contact Customer Service
Output OCP Stop Charging	Constantly Bright	Contact Customer Service
OTP Stop Charging	Constantly Bright	Contact Customer Service

## Maintenance and Repair

### Daily Maintenance

Maintain the charger in a clean environment with low humidity and ensure the charging area remains similarly clean. Avoid installing it in locations near the sea, places with high oil content, excessive humidity, or heavy dust.

1. Prevent moisture or water from entering the charger. In case of water or moisture ingress, immediately power off the charger to prevent immediate hazards. Notify qualified professionals for necessary maintenance before the next use.
2. If you notice any damage or dirt on the vehicle connector, charging cable, or vehicle connector holder, promptly get in touch with maintenance personnel.
3. Properly handle the charger, avoiding any impact or excessive pressure on its casing. If the casing sustains damage, consult a professional technician.
4. Keep the charger away from hot objects and high-temperature environments, as well as substances like flammable gases and corrosive materials.
5. Do not place external objects or heavy items on the charger to prevent potential hazards.

### Maintenance Spares

This charger includes spare parts for maintenance that are meant to be used during and after the warranty period. Services or repairs related to the warranty should be performed solely by certified service technicians authorized by Elite EV.