Schneider Charge Pro

Schneider Charge Pro AC48 & Schneider Charge Pro AC80

PROAC48USJ1772EVC2, PROAC80USJ1772EVC2, PROAC48USJ3400EVC & PROAC80USJ3400EVC

Installation and Operation Guide

https://www.se.com/

Schneider Electric

Legal Information

Contact Information

For country-specific details, please contact your local Schneider Electric Sales Representative or visit the Schneider Electric website at: https://www.se.com/

Warranty

To activate your warranty, ensure your Schneider Charge Pro is commissioned on the EV Connect portal.

Information About Your System

As soon as you open your product, inspect the contents and record the following information and be sure to keep your proof of purchase. If any damage is found, contact customer support.

Serial Number _____ Purchased From _____

Purchase Date _____

Model Name:	Schneider Charge Pro
Product Part Number:	PROAC48USJ1772EVC2
Product Part Number:	PROAC80USJ1772EVC2
Product Part Number:	PROAC48USJ3400EVC
Product Part Number:	PROAC80USJ3400EVC
Document Number: JPT46216	**Date:** April 2026

Information on Non-Inclusive or Insensitive Terminology

As a responsible, inclusive company, Schneider Electric is constantly updating its communications and products that contain non-inclusive or insensitive terminology. However, despite these efforts, our content may still contain terms that are deemed inappropriate by some customers.

Validity Note

This document is valid only for PROAC48USJ1772EVC2, PROAC80USJ1772EVC2, PROAC48USJ3400EVC and PROAC80USJ3400EVC.

If this manual is in any language other than English, although steps have been taken to maintain the accuracy of the translation, the accuracy cannot be guaranteed. Approved content is contained with the English language version which is posted at https://www.se.com/.

The characteristics of the products described in this document are intended to match the characteristics that are available on https://www.se.com/. As a part of our corporate strategy for constant improvement, we may revise the content over time to enhance clarity and accuracy. If you see a difference between the characteristics in this document and the characteristics on https://www.se.com/, consider https://www.se.com/ to contain the latest information.

Audience

This manual is intended for use by qualified personnel installing or operating a system involving Schneider Charge Pro charging station.

The qualified personnel have training, knowledge, and experience in:

- Installing electrical equipment and systems.
- Applying all applicable installation codes.
- Analyzing and reducing the hazards involved in performing electrical work.
- Selecting and using Personal Protective Equipment (PPE).

Scope

This manual provides safety guidelines and procedures for installing, commissioning, and operating the Schneider Charge Pro.

This manual does not provide details about electric vehicles (EVs). Consult individual manufacturers for information.

Related Information

For more information about the Schneider Charge Pro, related documents, and compatible equipment, go to: https://www.se.com/ww/en/product-range/284361929

Related Documents

- *Schneider Charge Pro Charging Cable Replacement Guide (JPT46215)*
- *Schneider Charge Pro Configuration Tool Guide (JPU03438)*

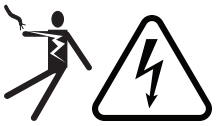
Abbreviations and Acronyms

~	Alternating Current (AC)
1Φ	Single Phase
A	Amps
AC	Alternating Current
AP	Access Point
CMS	Charging Management Software
EV	Electric Vehicle
Identifier	A unique value that helps identify a particular user or charging station.
LED	Light Emitting Diode
LTE	Long-Term Evolution (a wireless broadband communication standard for mobile devices)
OCPP	Open Charge Point Protocol (A standard communication protocol used between the charging station and a central system).
PPE	Personal Protective Equipment
PE	Protective Earth (Ground)
RFID	Radio-Frequency Identification
Token	An identifier or unique value that is presented to the charging station for authorization, usually through near-field communication (NFC) or RFID.

Safety Information

Important Information

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of either symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

Stored energy hazard and discharge time

Hot surface

Protective Earth (grounding) conductor terminal

Refer to the Installation or Operation instructions

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result in** minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

Product Safety Information

READ AND SAVE THESE INSTRUCTIONS - DO NOT DISCARD

Before installing or operating the charging station, read all instructions and cautionary markings on the unit, and all appropriate sections of this manual.

IMPORTANT: Refer to your warranty for instructions on obtaining service. Go to https://www.se.com/.

⚠⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, ARC FLASH, AND FIRE

- This charging station must only be installed, uninstalled, and serviced by qualified electrical personnel.
- Qualified personnel must use appropriate personal protective equipment (PPE) and follow safe electrical work practices according to NFPA 70E or CSA Z462.
- This charging station is energized from AC. Before removing the cover, de-energize, lock out and tag out, and wait five minutes for circuits to discharge.
- Verify de-energization with a voltage sensing device, rated 600 V or higher.
- Do not service the charging station or start a charge with the cover removed.

Failure to follow these instructions will result in death or serious injury.

Explosive Gas Precautions

⚠ WARNING

IGNITION AND FIRE HAZARD

This equipment is not ignition protected. To prevent fire or explosion, do not install this product in locations that require ignition-protected equipment. This includes any confined space containing lead acid batteries, or flammable chemicals such as, natural gas (NG), liquid petroleum gas (LPG) or gasoline (Benzine/Petrol).

- Do not install in a confined space with machinery powered by flammable chemicals, or storage tanks, fittings, or other connections between components of fuel or flammable chemical systems.
- Do not install the charging station on a flammable surface. If installing the charging station on a wood surface, ensure that the wood is flame retardant.
- Do not install the charging station near readily flammable materials such as cloth, paper, straw, or plastic sheeting. Keep flammable materials a minimum distance of 24 in. (600 mm) from the top surface and 12 in. (300 mm) from either side surface and the front of the Schneider Charge Pro.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Contents

Figures

Tables

1 Overview

What's in This Chapter?

Overview

The Schneider Charge Pro is a Level 2 AC electric vehicle charging station designed for both behind-the-fence and public charging applications including multi-unit dwellings, fleet, workplace, and destination charging (hotel, parking garages, retail, etc.). This charging station is intended for charging electric vehicles fitted with a J1772 (Type 1) or J3400 (NACS) charging port.

The charging station can be installed indoors or outdoors.

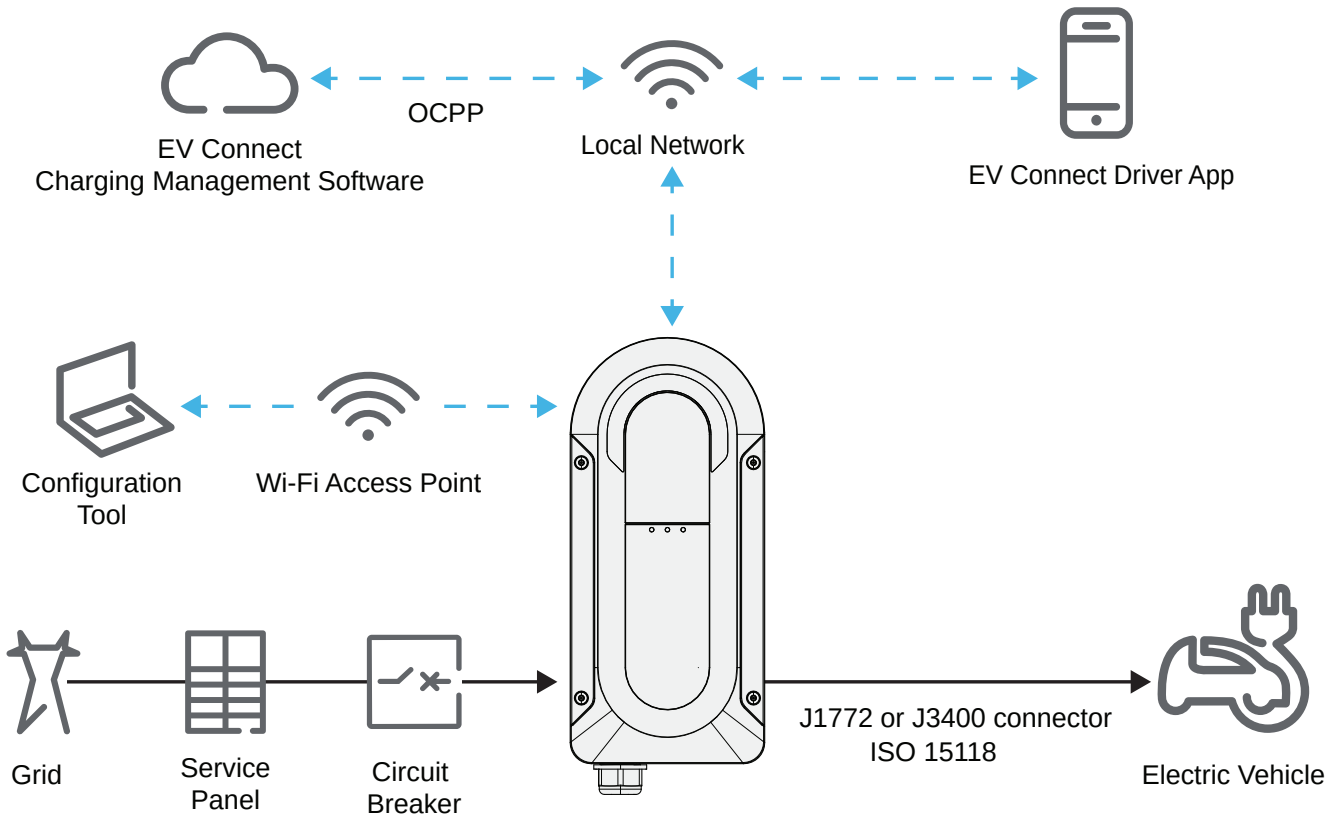
Note: The charging station is designed for operation with a L1-L2 208 VAC / split-phase 240 VAC source.

EV Connect

Schneider Charge Pro is pre-configured with EV Connect charging management software (CMS). EV Connect is a cloud-based software platform for managing a network of charging stations.

System Diagram

Figure 1 Example of a Schneider Charge Pro system



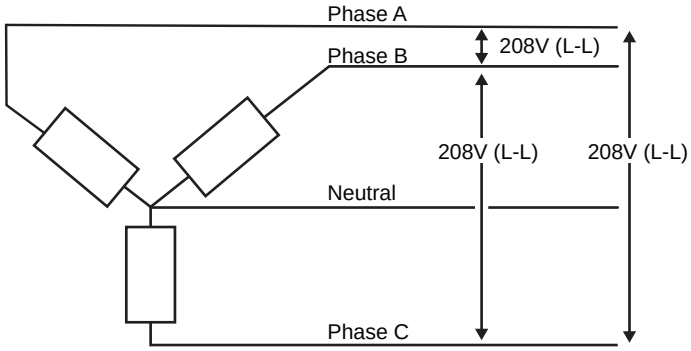
Types of Installations

Three-Phase 208 V WYE Configuration

The most common source of AC power for light commercial environments is 208/120 WYE.

In this configuration, the line to line (L-L) voltage is 208 VAC and the line to neutral (L-N) voltage is 120 VAC. This may also be designated as 120/208 VAC, 120/208 WYE, 208/120 WYE, 4-wire WYE or 120/208 Y.

Figure 2 Three-Phase WYE installations using any L-L



Three-Phase 240 V High Leg Delta Configuration

⚠⚠ WARNING

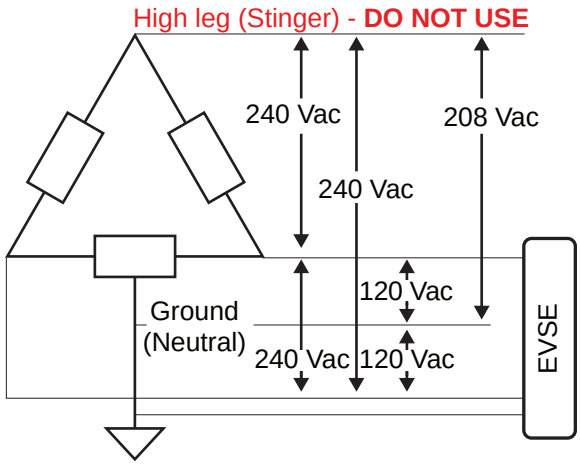
HAZARD OF ELECTRIC SHOCK, ARC FLASH, AND FIRE

If using the three-phase 240 V high leg delta configuration, do not use the high leg. Ensure that 120 V is measured from L1/L2 to Ground.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

The three-phase delta configuration is supported only with a grounded center-tapped leg, and only using the legs on each side of the center tap.

Figure 3 Three-Phase 240 V high leg delta installation

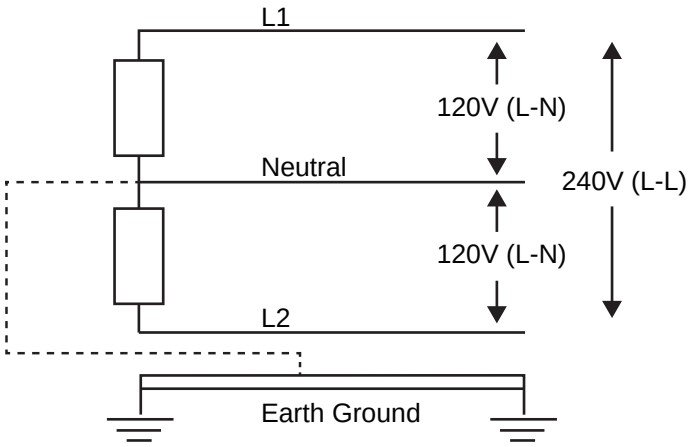


Single-Phase Installations

Single-phase 120/240 V, also referred to as Split Phase 240, is the most common source of AC power for residential use.

The configuration consists of 2 voltage legs that are 180 degrees apart. The voltage between the 2 legs (called phase-to-phase or line-to-line) is 240 V, and the phase-to-neutral voltage is 120 V. The phase-to-phase voltage is referred to as 120/240 single phase.

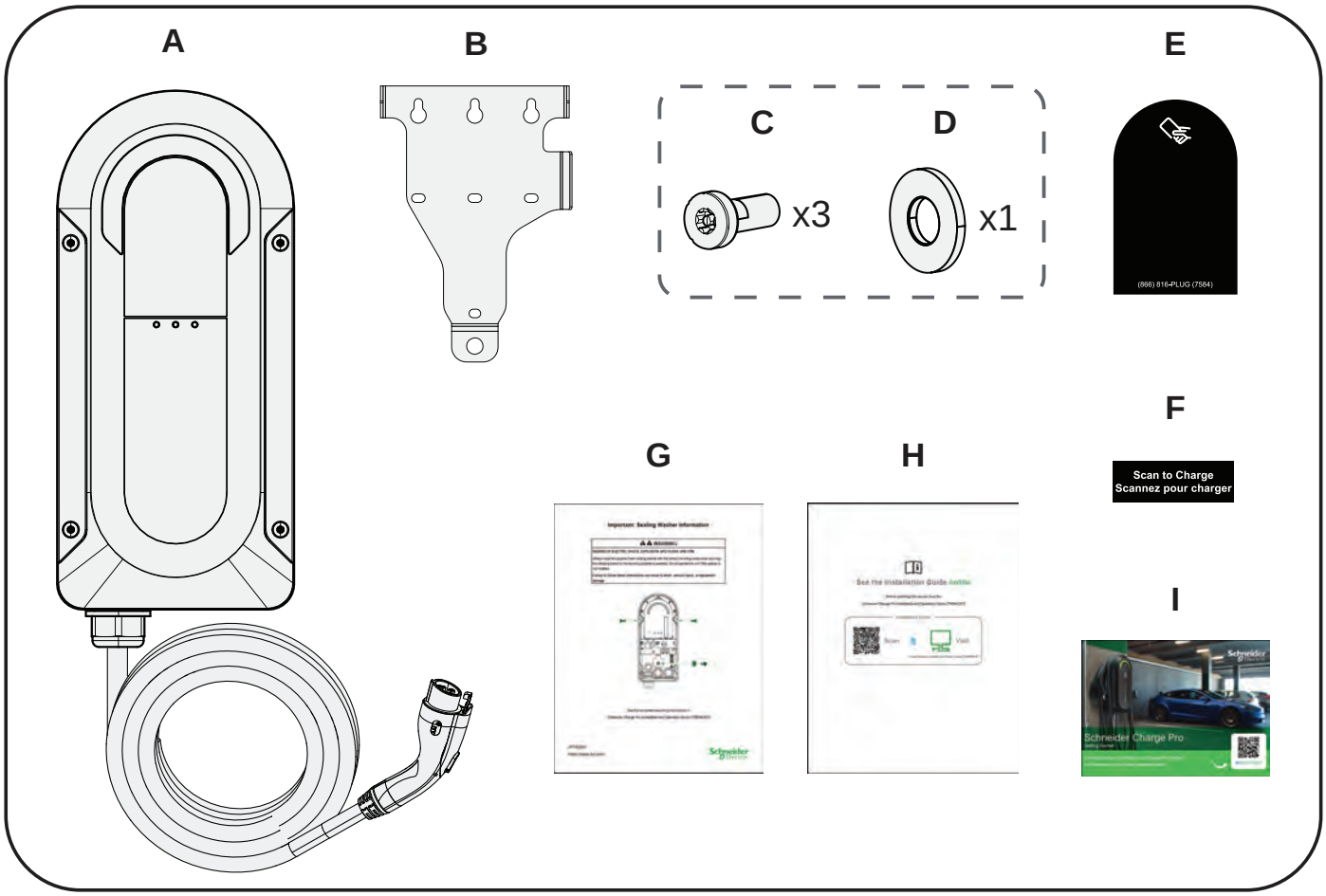
Figure 4 Single-phase 120 V/240 V installations using 240 V (L-L)



What's in the Box

IMPORTANT: Inspect the package for damage. If damage is found, contact Schneider Electric customer service.

Figure 5 Package contents

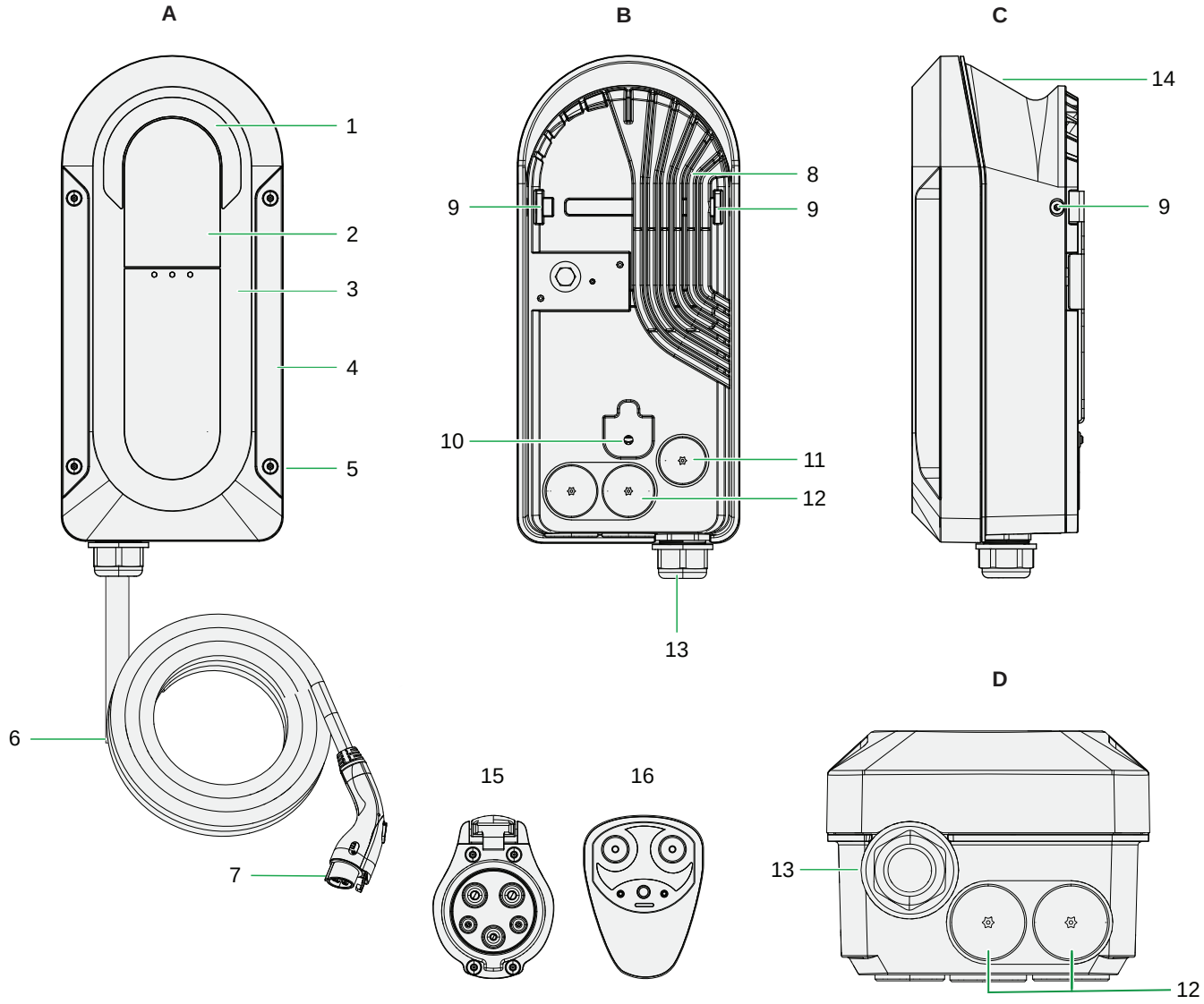


A	Schneider Charge Pro with pre-installed charging cable with either J1772 (Type 1) or J3400 (NACS) connector*
B	Mounting bracket
C	1/4-20 x 5/8 in. machine screws for attaching charging station to bracket (x3)
D	Metal-bonded sealing washer with neoprene seal (18-8 stainless steel for 1/4 in. screw) for attaching charging station to bracket (x1) **Note**: The washer is single use only. Do not reuse. To replace, use a SCE-BSW25SS sealing washer.
E	RFID alternate front cover label
F	French and English alternate front cover label
G	Sealing washer installation instructions
H	Safety information
I	Commissioning information
* See Figure 6 on page 17.	

Physical Features

For interior features, see "Wiring Compartment Overview" on page 41.

Figure 6 Physical features



A	Front	**C**	Side
B	Back	**D**	Bottom
1	Main LED display	9	Recess for mounting bracket flanges
2	Charging label with embedded RFID	10	Rear hole for fastening to mounting bracket
3	Communication LEDs	11	Hole for 3/4 in.(19 mm) conduit (48 A)
4	Enclosure cover	12	Hole for 1 in. (25 mm) conduit (x4) (48 A and 80 A)
5	Cover fasteners (x4)	13	Charging cable M32 gland
6	Charging cable	14	Trough for charging cable
7	Charging connector	15	J1772 (Type 1) connector
8	Heat sink	16	J3400 (NACS) connector

Related Products

The following products can be ordered from Schneider Electric.

Table 1 Related products

Model	Description
PROAC48J1772CBLE	Charging cable with J1772 (Type 1) connector for PROAC48USJ1772EVC2 (48 A)
PROAC80J1772CBLE	Charging cable with J1772 (Type 1) connector for PROAC80USJ1772EVC2 (80 A)
PROAC48J3400CBLE	Charging cable with J3400 (NACS) connector for PROAC48USJ3400EVC (48 A)
PROAC80J3400CBLE	Charging cable with J3400 (NACS) connector for PROAC80USJ3400EVC (80 A)
PROAC001	Schneider Charge Pro Basic Pedestal
PROAC002	Schneider Charge Pro Premium Pedestal Single Mount
PROAC003	Schneider Charge Pro Premium Pedestal Dual Mount

EV Connect Commissioning App

Use the EV Connect Commissioning App to commission the charging station. Go to www.evconnect.com/chargepro/start.

Installer Configuration Tool

To manage optional configurations for individual charging station, access the Configuration Tool.

URL: To access the Configuration Tool, go to **https://10.0.0.1** when connected to the charging station Wi-Fi Access Point. See "Logging in to the Configuration Tool" on page 57.

Requirements:

- Web browser. The recommended browser is Google Chrome.
- Phone, tablet, or laptop computer
- iOS, Android, or Windows

For more information, see *Schneider Charge Pro Configuration Tool Guide (JPU03438)*.

Cybersecurity Guidelines

This section includes information on how to help secure your system.

⚠ WARNING

POTENTIAL COMPROMISE OF SYSTEM AVAILABILITY, INTEGRITY, AND CONFIDENTIALITY

Follow the cybersecurity best practices in this document to help prevent unauthorized access to the system software.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

To find out about the latest cybersecurity news, sign up for security notifications, or to report a vulnerability, visit the Schneider Electric Cybersecurity Support Portal.

Recommended Actions

Note: The list of recommended actions below is not a complete list of possible cybersecurity measures. It is meant to be a starting point to improve the security of your system.

Upgrades

- Always use the latest firmware for your Schneider Electric devices in order to get new features, cybersecurity fixes and improvements.

  IMPORTANT: Always keep the system connected to the internet to allow updates.

- Keep your devices up to date (check for new firmware, or accept firmware update prompts)

Passwords

- Passwords should include upper case, lower case, number, and special characters
- The password must have 8 characters minimum
- The password should not be easily found in the dictionary and a phrase is preferred.
- Passwords should be changed frequently, at least once a year
- A default password must be changed immediately when first received and after a factory reset
- Never reuse passwords
- Never share passwords with unauthorized personnel

Network

- Schneider Electric devices should only be used in your personal, commercial, or business network
- Schneider Electric devices should not have a publicly accessible IP address
- Do NOT use port forwarding to access a Schneider Electric device from the public internet
- Schneider Electric devices should be on their own network segment. If your router supports a guest network or VLAN, it is preferable to locate the devices there
- Use the strongest Wi-Fi encryption available
- Use HTTPs in local network

RFID Token Recommendation

We recommend using cards that are compliant to ISO/IEC 14443, NFC Forum Tag Type 4, and that use strong encryption, such as AES-128 or better.

Physical Site Security

To help prevent physical attacks:

- Install the system on private property, away from public passageways.
- Properly reinstall and close all covers.
- Route all cables through conduits.

Decommissioning

Before a device is permanently removed from your network, perform a full factory reset to erase all data. For more information, see "Completing a Hard Reset" on page 88.

2 Pre-Installation

What's in This Chapter?

Pre-Installation

Before installing the charging station, read all instructions and cautionary markings in this manual.

Note: Obtain all necessary permits prior to starting installation. Installations must meet all local codes and standards. Installation should only be performed by qualified personnel.

Planning the Installation

- Read this entire chapter before beginning the installation. It is important to plan the installation from beginning to end.
- Determine the intended output power setting for the unit.
- Assemble all tools and materials needed for the installation.

Moving and Storing the Charging Station

- Store the charging station in a dry environment, at a temperature between -40°F to 140°F (-40°C to +60°C).
- Store the charging station with the front cover face-up on the storage surface.
- When moving the charging station, hold the sides of the enclosure. Do not lift or carry the charging station by the charging cable.
- Check the charging station for damage after transportation.

Required Tools and Materials

The following materials and tools are not supplied but are required for installation.

Required for LOTO

- Appropriate PPE (e.g. safety glasses, cut-resistant gloves, protective footwear, etc.)
- Lock-out/Tag-out (LOTO) kit
- Calibrated professional digital multimeter (600 V, Cat III or higher)

Required Tools and Materials

- Stud finder
- Bubble/spirit level
- Torx screwdriver
- Screwdriver or bit: Torx TR27 tamper-resistant bit
- Screwdriver or bit: Torx TR40 tamper-resistant bit
- Screwdriver or bit: 1/4 in. (6.3 mm) flat blade
- Torque wrench
- Wire stripper for #2 - #14 AWG stranded wire
- Watertight conduit fittings, rated IP66/Type 4 or better (for outdoor installations)
- iOS, Android, or Windows device (phone, tablet, or laptop computer) with web browser and internet connection

Required Cables

Note: For AC cable specifications, see "AC Cables" on page 43.

- AC power cables (#2 - #14 AWG, 194°F (90°C) rated copper THHN wire or equivalent)
- Ethernet cable (300 V, minimum 60°C rated) with RJ45 connector (if using)

Required for Mounting to Wood Stud

- Wood screws with 5/16 in. (8 mm) (maximum) hex-drive head (5)
- Appropriate drill bit and impact driver

Required for Mounting to Concrete or Brick Walls

- 1/4 in. concrete screws with 5/16 in. (8 mm) (maximum) hex-drive head (5)
- Appropriate masonry anchors
- Appropriate drill bit and impact socket

Required for Mounting to Pedestal

- Refer to instructions provided by pedestal manufacturer

Required for Commissioning

- Laptop computer or mobile device with an Internet connection. The recommended browser is Google Chrome.
- An electric vehicle or EVSE tester (recommended but not required)

Required Tools and Materials for Replacing the Internal Battery

- Torx screwdriver
- Screwdriver or bit: Torx TR27 tamper-resistant bit
- BR2032 lithium coin cell battery (1)

Choosing a Location

⚠ ⚠ WARNING

HAZARD OF ELECTRIC SHOCK AND FIRE

- Always install the charging station in a location that minimizes the risk of water entry. Do not install the charging station in a location that is prone to flooding, or near water sprinklers or high pressure water jets.
- Do not install the charging station near readily flammable materials such as cloth, paper, straw, or plastic sheeting. Keep flammable materials a minimum distance of 24 in. (600 mm) from the top surface and 12 in. (300 mm) from either side surface and the front of the charging station.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

NOTICE

RISK OF EQUIPMENT DAMAGE

- Do not install the charging station in a location where the charging station will operate outside of the specified operating temperature range of -22 to 122°F (-30 to +50°C).
- Do not install the charging station near heat sources such as steam exhausts from boilers and dryers, or engine compartments.
- Avoid installing the charging station in a dusty environment.
- Do not expose this unit to excessive shock or vibration.

Failure to follow these instructions can result in equipment damage.

The charging station is rated for outdoor use (Type 4 enclosure).

When choosing a location, consider the following:

- Where the EV will be parked
- The length of the charging cable (25 ft / 7.5 m)
- If there is sufficient space around the charging station to wind the charging cable
- If the installation area provides a secure and level mounting surface
- The location of the electrical source
- If there is sufficient cellular or Wi-Fi signal strength. See "Cellular and Wi-Fi Signal Considerations" on the next page
- If there is any equipment susceptible to radio frequency and electromagnetic interference located nearby, install the charging station as far away from it as possible

Mounting Considerations

When choosing a mounting location, consider the following:

- The mounting surface must hold the weight of the charging station and charging cable, and all other equipment mounted on the same surface.
- The mounting bracket must be installed on a flat surface to ensure proper alignment and fastening.
- The charging station must be mounted within the recommended height range.

Cellular and Wi-Fi Signal Considerations

The recommended signal strength for cellular connections is greater or equal to -75 dBm. The recommended signal strength for Wi-Fi connections is greater than -60 dBm. Ensure that the installation location can meet this recommendation prior to starting the installation. For more information, see "Cellular and Wi-Fi Signal Strength" on page 64.

Operating Temperature

The charging station actively monitors the temperature while charging to help ensure the stability of the charging session. For optimal performance, install the charging station where ambient temperatures remain between -22°F to +122°F (-30°C to +50°C).

At high ambient temperature conditions, the charging station may reduce the current and charging speed to help prevent overheating. The adjustments to amperage are automatic. The charging station returns to the set output current when the temperature is lowered.

Installation Height

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, ARC FLASH, AND FIRE

This equipment has arcing or sparking parts that should not be exposed to flammable vapors.

- If installed indoors or in a commercial garage, install the charging station at least 18 in. (457 mm) above the floor.
- If installed outdoors, install the charging station at least 24 in. (610 mm) above the floor.

Failure to follow these instructions will result in death or serious injury.

Refer to the following table for the recommended installation height:

Table 2 Installation height

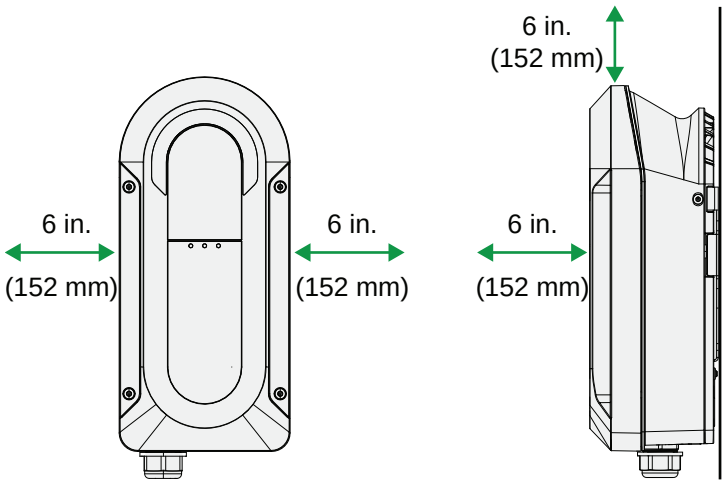
Location	Minimum Height from Ground	Maximum Height from Ground
Indoor	18 in. (457 mm)	48 in. (1220 mm)
Outdoor	24 in. (610 mm)	48 in. (1220 mm)

Clearance Requirements

Ensure that there is enough clearance so the charging cable can be wound around the charging station.

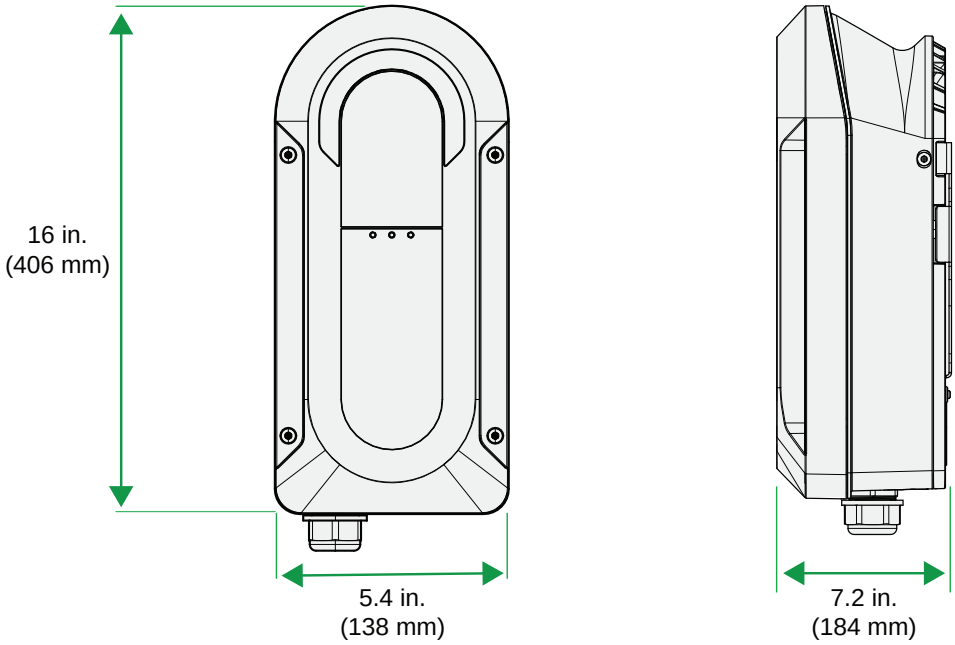
The charging station must be installed with enough clearance so that all labels on the product are visible.

Figure 7 Charging Station clearance



Dimensions

Figure 8 Dimensions



3 Installation

What's in This Chapter?

Installation

Follow the procedure below to install the charging station.

Removing the Charging Station Cover

⚠⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, ARC FLASH, AND FIRE

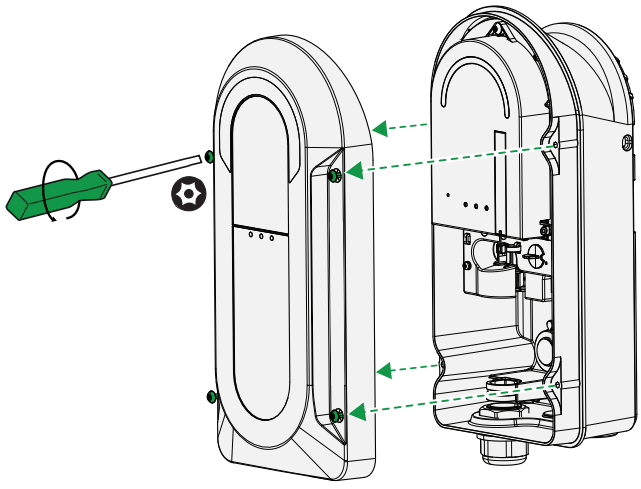
- This charging station must only be installed, uninstalled, and serviced by qualified electrical personnel.
- Qualified personnel must use appropriate personal protective equipment (PPE) and follow safe electrical work practices according to NFPA 70E or CSA Z462.
- This charging station is energized from AC. Before removing the cover, de-energize, lock out and tag out, and wait five minutes for circuits to discharge.
- Verify de-energization with a voltage sensing device, rated 600 V or higher.
- Do not service the charging station or start a charge with the cover removed.

Failure to follow these instructions will result in death or serious injury.

To remove the cover:

1. Verify that all power sources are turned off. See "Lock-Out and Tag-Out (LOTO)" on page 40.
2. Using a TR27 tamper-resistant bit, loosen the four screws that fix the cover to the charging station enclosure.
3. Pull the cover off the charging station and set aside face-up for later re-installation.

Figure 9 Removing the cover

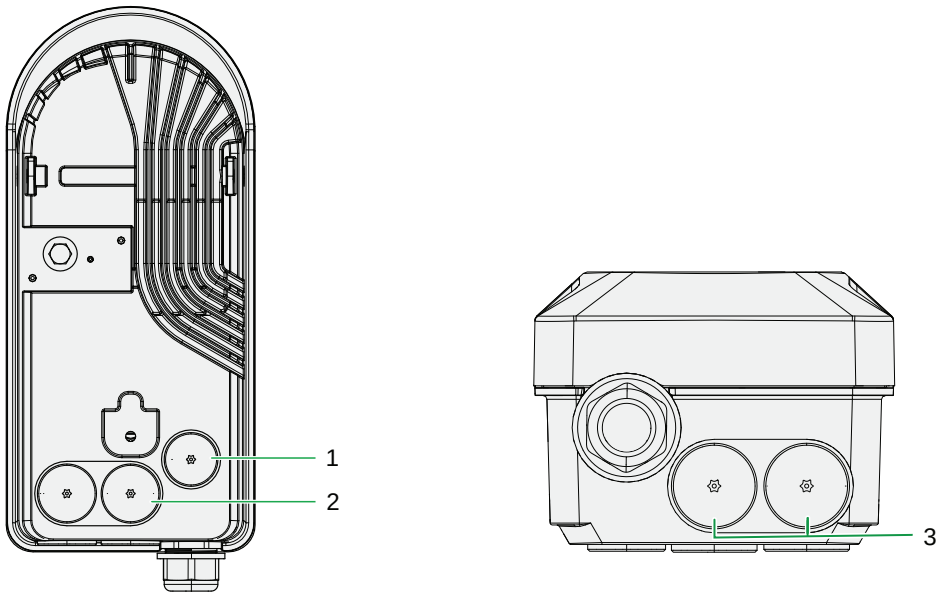


Selecting the Conduit Entry

To route AC and ground wires, select the conduit entries that are most appropriate for your installation. For 80 A installations, use the 1 in. (25 mm) conduit holes. If installing an Ethernet cable, use a separate conduit entry from the AC wires.

Note: Remove the hole plugs and install conduit fittings before mounting the charging station on the bracket or pedestal.

Figure 10 Locations of conduit entries



1	Rear conduit hole (3/4 in. National Pipe Straight (NPS) (19 mm) for 48 A installations)
2	Rear conduit holes (1 in. NPS (25 mm) for 48 A and 80 A installations)
3	Bottom conduit holes (1 in. NPS (25 mm) for 48 A and 80 A installations)

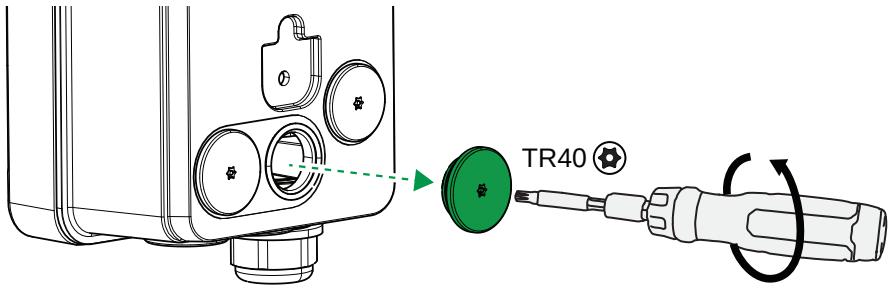
Installing a Conduit Fitting

NOTICE
RISK OF EQUIPMENT DAMAGE Do not drill, cut, or punch holes into the charging station. Use only the conduit holes provided for conduit entry. **Failure to follow these instructions can result in equipment damage.**

To install the conduit fitting:

1. Remove the charging station cover. See "Removing the Charging Station Cover" on page 30.
2. Using a screwdriver with a Torx TR40 bit, unscrew and remove the conduit hole plug.

   Figure 11 Removing the conduit hole plug

   Note: If necessary, use a torque wrench to reinstall the conduit plug. Torque to 53.1 in-lbs (6 Nm).
3. Install appropriately-sized conduit fittings into the conduit hole. For outdoor installations, conduit fittings must be watertight and rated IP66/Type 4 or better.

Installing the Mounting Bracket and Charging Station

Before starting the installation, see "Choosing a Location" on page 25

⚠ CAUTION

RISK OF PERSONAL INJURY OR EQUIPMENT DAMAGE

- For structural and seismic stability, the charging station must be mounted onto a vertical supporting surface strong enough to support the charging station and all other equipment that is installed on the same surface.
- Use mounting hardware that is appropriate for the mounting surface and weight of the charging station.

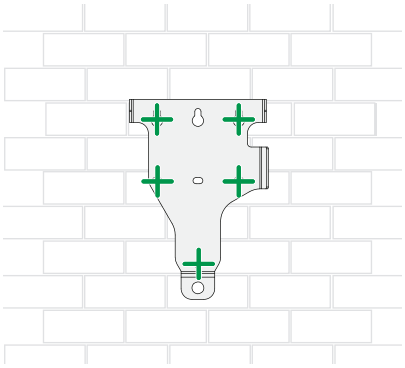
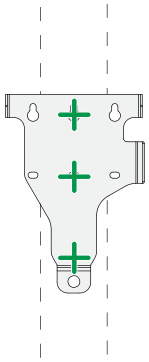
Failure to follow these instructions can result in injury or equipment damage.

Mounting Surfaces

The charging station can be mounted to the provided mounting bracket, or to a third-party pedestal. For mounting to a pedestal, see "Pedestal Mounting" on page 37.

Mount the bracket using a minimum of three fasteners.

Table 3 Mounting surfaces

Concrete or Brick	
Minimum strength must be 2500 PSI (concrete) or 1500 PSI (brick/masonry). Use five 1/4 in. (6 mm) concrete screws with a 5/16 in. (8 mm) (maximum) hex drive head and appropriate masonry anchors. The fasteners must be long enough so that at least 1 1/2 in. (38 mm) can be embedded in the concrete or brick. All fasteners must be at least 1 1/2 in. (38 mm) away from the edges of masonry blocks or bricks.	
Wood or Metal Studs	
Wood studs: Use a minimum of three wood screws with a 5/16 in. (8 mm) (maximum) hex drive head with a minimum length of 1 1/2 in (38 mm). Drill a pilot hole that is 5/32 in. (4 mm) by 1.5 in. (38 mm) deep. The screw must embed securely in the stud. **Metal studs**: Studs must be minimum 18 gauge. Use appropriate metal stud mounting hardware (not provided) for your specific installation, in compliance with your local codes.	

Mounting the Bracket and Charging Station

⚠ ⚠ WARNING

HAZARD OF ELECTRIC SHOCK AND EQUIPMENT DAMAGE

Do not drop the charging station. Damage to this equipment may cause water ingress. If the charging station is dropped, do not install it. Return the unit to Schneider Electric for inspection.

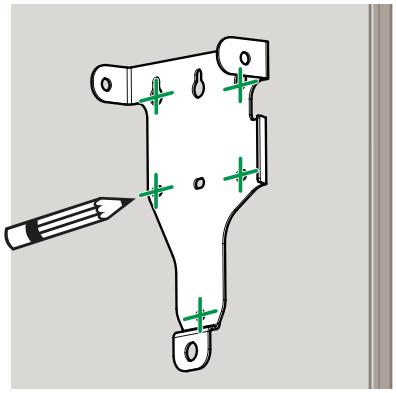
Failure to follow these instructions can result in death, serious injury, or equipment damage.

Note: Remove the hole plugs and install conduit fittings before mounting the charging station on the bracket or pedestal.

To mount the bracket and charging station on a wall:

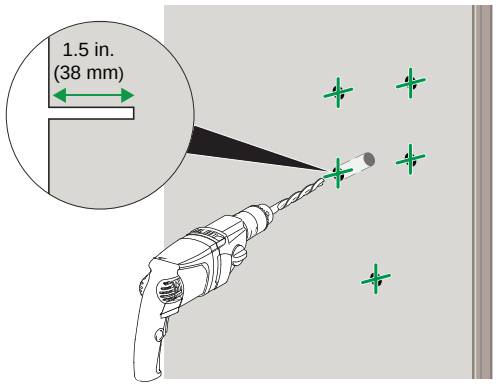
1. Using the mounting bracket, mark the mounting surface for at least three screw holes, ensuring that it is level. For installation height, see "Installation Height" on page 27.

   Figure 12 Marking the wall

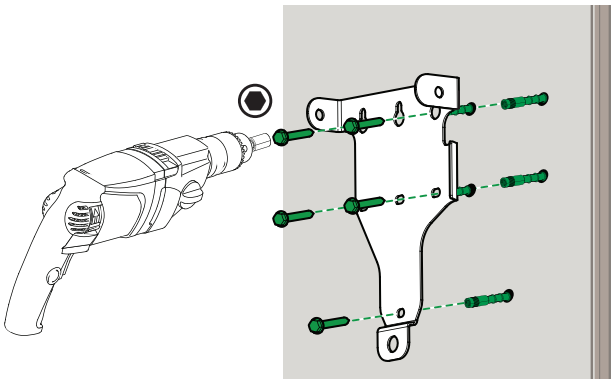
2. Using the markings from step 1, drill a pilot hole for each fastener. Clear debris from the holes.

   Figure 13 Drilling the pilot holes

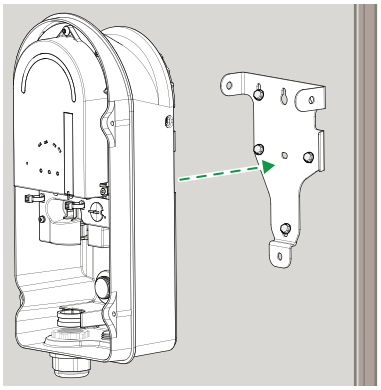
3. Using appropriate fasteners and wall anchors, install the mounting bracket onto the mounting surface.

Figure 14 Installing the bracket on the wall



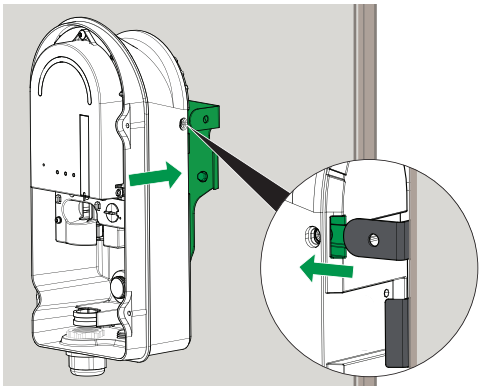
4. Position the charging station on the mounting bracket.

Figure 15 Aligning the charging station



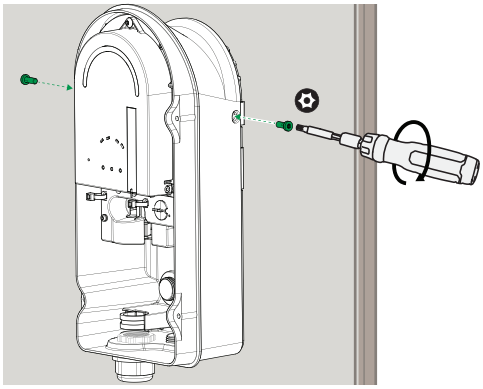
5. Slide the charging station onto the mounting bracket. The flanges slide into a recess on the back of the charging station.

Figure 16 Positioning the mounting bracket inside the charging station recess



6. Using a screwdriver with a Torx TR27 bit, fasten the enclosure to the flanges at the top of the bracket using the two provided screws. Torque to 44 in-lb ± 4.4 in-lb (5 Nm ± 0.5 Nm).

Figure 17 Attaching the screws to the side of the enclosure



7. Using a screwdriver with a Torx TR27 bit, install the provided sealing washer and screw in the hole above the rear conduits in the back of the enclosure. Torque to 44 in-lb ± 4.4 in-lb (5 Nm ± 0.5 Nm).

⚠ WARNING

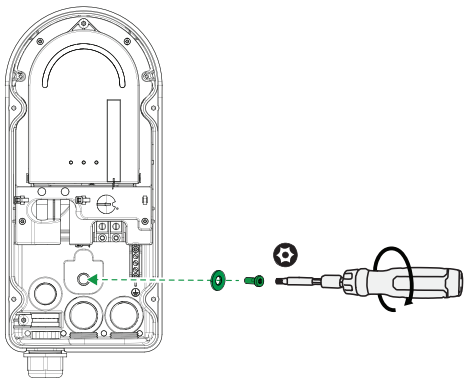
HAZARD OF ELECTRIC SHOCK, EXPLOSION, ARC FLASH, AND FIRE

Always install the supplied foam sealing washer with the bottom mounting screw when securing the charging station to the mounting bracket or pedestal. Do not operate the unit if the washer is not installed.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Note: The washer is single use only. Do not reuse. To replace, use a SCE-BSW25SS sealing washer.

Figure 18 Installing the inner screw and washer



Pedestal Mounting

The charging station can be mounted on a compatible third-party single- or dual-mount pedestal. For information on mounting the charging station to the pedestal, refer to the instructions provided by the pedestal manufacturer.

4 Wiring

What's in This Chapter?

Wiring the Charging Station

For an example system diagram, see "System Diagram" on page 13.

⚠ ⚠ WARNING

HAZARD OF ELECTRIC SHOCK AND FIRE

- Before powering on equipment, verify that all wiring is in good condition and that the wires are not undersized. Do not operate the charging station with damaged or substandard wiring.
- Do not disassemble the charging station except where noted for connecting wiring and cabling.
- Use only the accessories that are recommended by the manufacturer.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Guidelines for Routing Cables

Follow these guidelines when routing the cables:

- Route the cables away from sharp edges that might damage the insulation. Avoid sharp bends in the cable—no less than a 4 in. (100 mm) radius.
- Allow for some slack in the cable tension.
- Keep the alignment of wire pairs inside the sheath as straight as possible.
- If possible, allow separation between communication and power cables to minimize potential interference.

Lock-Out and Tag-Out (LOTO)

De-energize, lock-out and tag-out the Schneider Charge Pro from all power sources.

⚠⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, ARC FLASH, AND FIRE

- This charging station must only be installed, uninstalled, and serviced by qualified electrical personnel.
- Qualified personnel must use appropriate personal protective equipment (PPE) and follow safe electrical work practices according to NFPA 70E or CSA Z462.
- This charging station is energized from AC. Before removing the cover, de-energize, lock out and tag out, and wait five minutes for circuits to discharge.
- Verify de-energization with a voltage sensing device, rated 600 V or higher.
- Do not service the charging station or start a charge with the cover removed.

Failure to follow these instructions will result in death or serious injury.

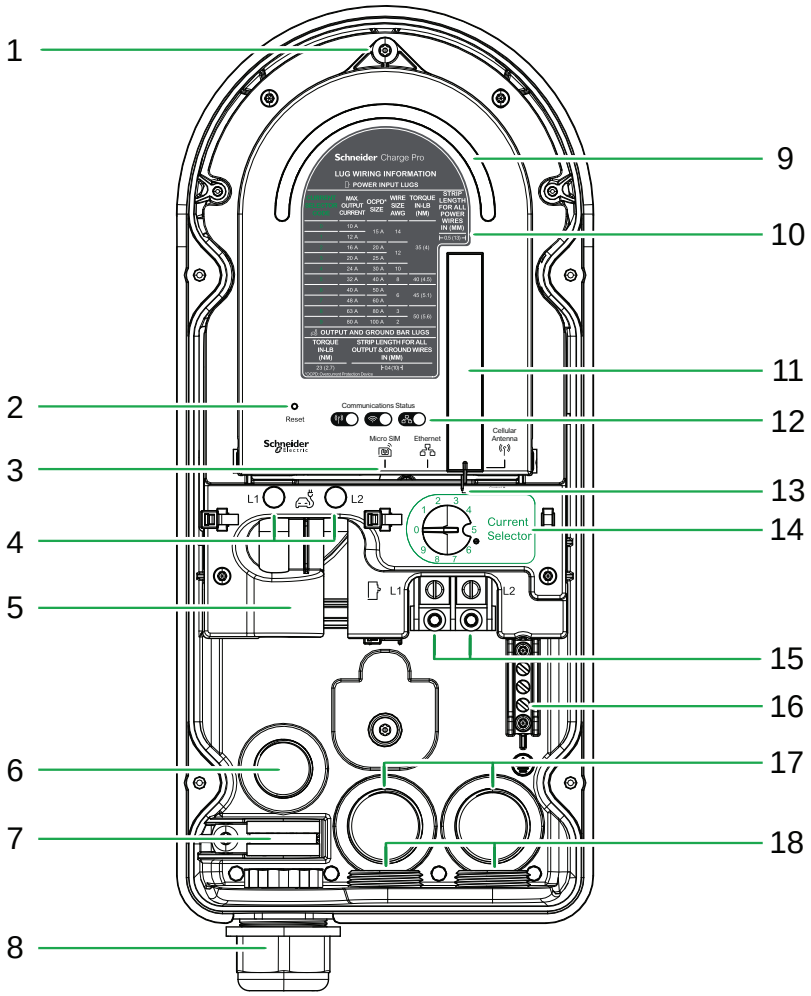
To lock-out and tag-out the Schneider Charge Pro:

1. If installed, switch the charging station circuit breaker in the service panel to the OFF position. Lock-out and tag-out the breaker.
2. Identify the circuit breaker connected to the charging station and then switch the breaker to the OFF position. Lock-out and tag-out the breaker.
3. Wait five minutes for circuits to discharge.
4. Use a calibrated voltage sensing device (rated 600 V or higher) to confirm that all circuits are in a zero energy state before performing work.

Wiring Compartment Overview

Main Wiring Compartment

Figure 19 Interior detail (pre-installed wiring not shown)

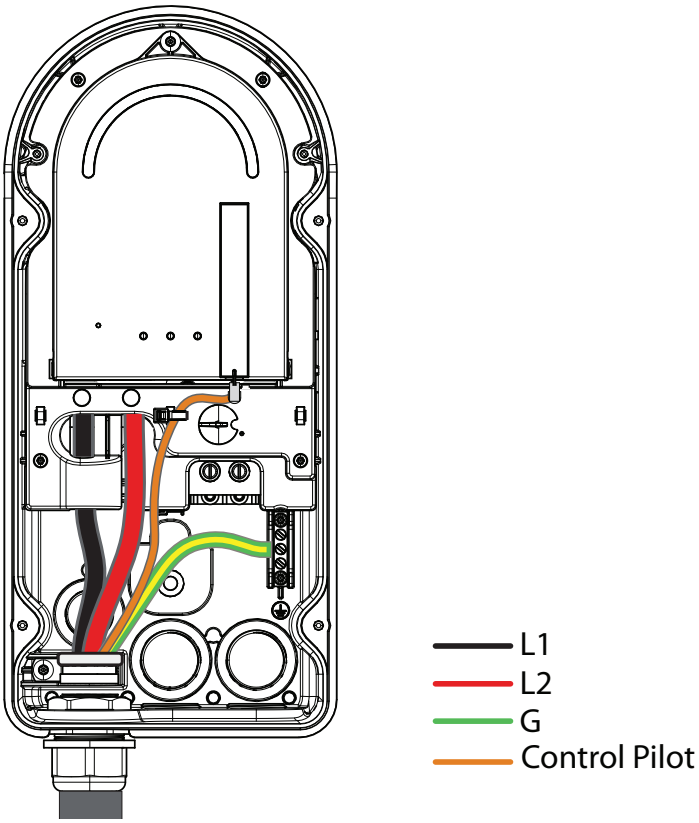


1	Screw for internal carrier door (for coin battery replacement only)	10	Wiring information
2	Hard reset button	11	Cellular antenna
3	Micro SIM and Ethernet ports with pre-installed EV Connect Micro SIM card	12	Communication status LEDs
4	L1, L2 charging cable terminals	13	Control pilot connector
5	Current transformer	14	Current Selector dial
6	3/4 in. (19 mm) conduit hole (back entry)	15	L1, L2 AC terminals
7	Charging cable strain relief clamp	16	Ground terminals
8	Charging cable gland	17	1 in. (25 mm) conduit holes (back entry x2)
9	Main LED	18	1 in. (25 mm) conduit holes (bottom entry x2)

Pre-wired Charging Cable

The charging cable is pre-installed, as shown in Figure 20.

Figure 20 Pre-installed charging cable wiring



Note: Schneider Charge Pro AC48 has an orange control pilot wire. The Schneider Charge Pro AC80 has a white control pilot wire.

AC Cables

⚠ ⚠ WARNING

HAZARD OF ELECTRIC SHOCK AND FIRE

- Ensure that the charging station is connected to, and forms a dedicated circuit with, a proper external circuit breaker that satisfies local electrical requirements.
- Connect only to a circuit with appropriately sized conductors as recommended in "AC and Ground Wire Specifications" below and use the branch circuit rating as defined in "Circuit Ratings" on page 44.
- Do not share the power source of the charging station with any other appliances.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

AC wiring must be sized according to location, environmental conditions, branch circuit rating, and the configured maximum current of the charging station. Follow all local and national electrical codes.

Note: Do not use Ground Fault Circuit Interrupter (GFCI) breakers with this product. This product contains integrated Ground Fault protection between the charging station and EV.

AC and Ground Wire Specifications

Table 4 Wire specifications

Cable Name	Cable Size	Torque	Rating
AC cables	10 AWG - 14 AWG	35 in-lb ± 3.5 in-lb (3.95 Nm ± 0.4 Nm)	194°F (90°C) rated copper THHN wire or equivalent, or follow local regulations.
	8 AWG	40 in-lb ± 4 in-lb (4.52 Nm ± 0.4 Nm)	
	4 AWG - 6 AWG	45 in-lb ± 4.5 in-lb (5.08 Nm ± 0.5 Nm)	
	2 AWG - 3 AWG	50 in-lb ± 5 in-lb (5.65 Nm ± 0.5 Nm)	
Ground	2 AWG - 14 AWG	23 in-lb ± 2.3 in-lb (2.7 Nm ± 0.27 Nm)	

Circuit Ratings

Note: The charging station is considered a continuous load device. As such, the branch circuit must be rated for 125% of the operating current.

Schneider Charge Pro AC48

Table 5 Circuit and wire specifications (Schneider Charge Pro AC48)

Circuit Breaker Rating	Maximum Output Current	Minimum Required Copper Conductor Size 194°F (90°C)
15 A	10 A	14 AWG
15 A	12 A	14 AWG
20 A	16 A	12 AWG
25 A	20 A	12 AWG
30 A	24 A	10 AWG
40 A	32 A	8 AWG
50 A	40 A	6 AWG
60 A	48 A	6 AWG

Schneider Charge Pro AC80

Table 6 Circuit and wire specifications (Schneider Charge Pro AC80)

Circuit Breaker Rating	Maximum Output Current	Minimum Required Copper Conductor Size 194°F (90°C)
15 A	10 A	14 AWG
15 A	12 A	14 AWG
20 A	16 A	12 AWG
25 A	20 A	12 AWG
30 A	24 A	10 AWG
40 A	32 A	8 AWG
50 A	40 A	6 AWG
60 A	48 A	6 AWG
80 A	63 A	3 AWG
100 A	80 A	2 AWG

Connecting AC and Ground Cables

⚠ ⚠ WARNING

HAZARD OF ELECTRIC SHOCK

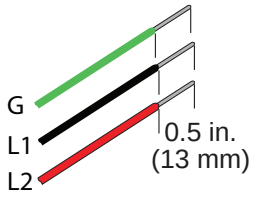
- Ensure that the power wires connecting the charging station to the circuit panel are routed through an approved conduit or jacket.
- All cable entry points must be sealed. When installed outdoors, all cable entry points must be sealed to meet and maintain the requirements for Type 4 enclosure standards.
- This product must be connected to a grounded, metal, permanent wiring system, or an equipment grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal or lead on the product. Follow all local and national codes and standards.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

To connect the AC and Ground cables:

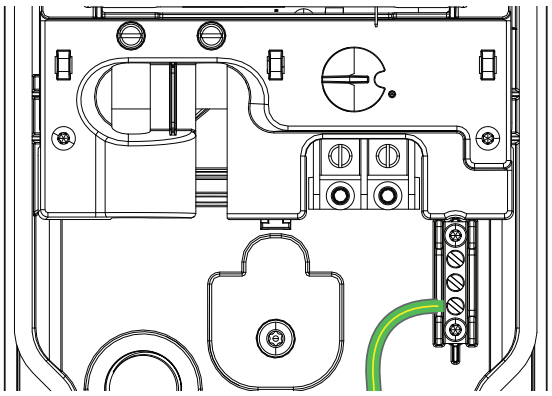
1. Verify that all power sources are turned off. See "Lock-Out and Tag-Out (LOTO)" on page 40.
2. Route the L1, L2 and Ground wires through the conduit fittings that you installed in "Installing a Conduit Fitting" on page 32.
3. Strip the wires to expose approximately 0.5 in. (13 mm) of the conductor.

Figure 21 AC wire strip length



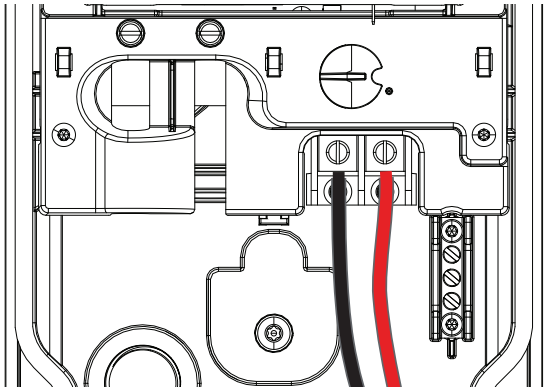
4. Install the ground wire:
    a. Insert the ground wire into the ground terminal.
    b. Using a 1/4 in. flat-blade bit, tighten the terminal block screw. Torque to 23 in-lb +/- 2.3 in-lb (2.7 Nm +/- 0.27 Nm).

Figure 22 Ground terminals



5. Install the L1 and L2 wires to the AC terminals:
    a. Insert the cable into the terminal block.
    b. Using a 1/4 in. flat-blade bit, tighten the terminal block screw. Torque the terminals. For torque values, see " Wire specifications" on page 43.

Figure 23 AC Terminals



6. Perform a push-pull test on all wires to confirm they are not loose.
7. If installed outdoors, seal the conduit entry by applying water-resistant protection.

Selecting the Output Current Limit

⚠⚠ WARNING

HAZARD OF ELECTRIC SHOCK AND FIRE

- Follow NFPA 70 (U.S.), CSA 22.1 (Canada), and comply with all local or national codes, standards, and ordinances.
- Limit the power rating of your charging station to 80% or less of the branch circuit rating plus any further limitation required by NFPA 70.

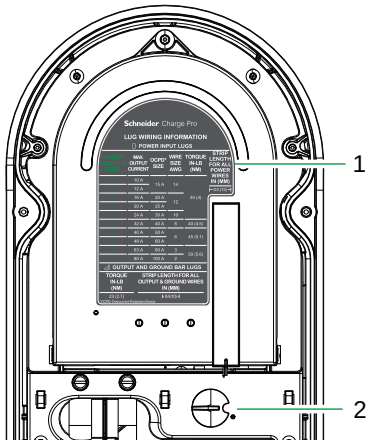
Failure to follow these instructions can result in death, serious injury, or equipment damage.

Use the Current Selector dial to limit the maximum charging amperage.

To adjust the output current:

1. Verify that all power sources are turned off. See "Lock-Out and Tag-Out (LOTO)" on page 40.
2. Locate the **Current Selector** dial.

Figure 24 Location of Current Selector dial



1	Label with current selection information
2	Current Selector dial

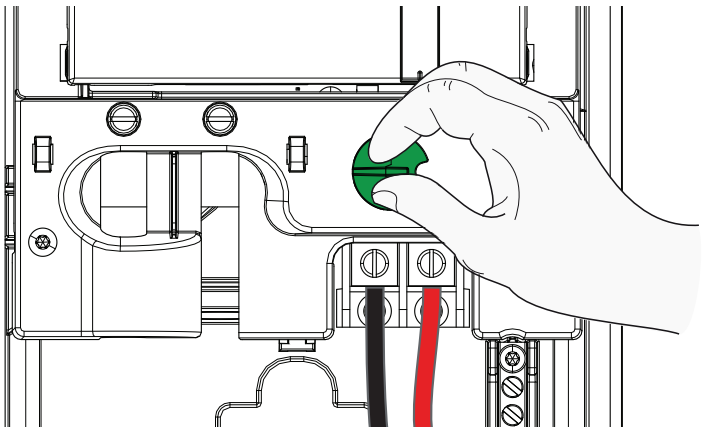
3. To determine the correct dial setting for the desired current limit, refer to the following table. This information is also located on the label inside the charging station.

   Table 7 Current limit selection

Dial Position	Output Current Limit	
	Schneider Charge Pro AC48	Schneider Charge Pro AC80
0	10 A	10 A
1	12 A	12 A
2	16 A	16 A
3	20 A	20 A
4	24 A	24 A
5	32 A	32 A
6	40 A	40 A
7	48 A	48 A
8	48 A	63 A
9	48 A	80 A

4. Lift the dial slightly and rotate it to select the desired output current.

   Figure 25 Rotating the current selector dial



Installing an Optional Ethernet Cable

If you are using the Ethernet network connection option instead of the pre-installed EV Connect micro SIM card, follow the steps below to install an Ethernet cable. For Ethernet cable specifications, see "Required Cables" on page 23.

Overview

To use an Ethernet connection:

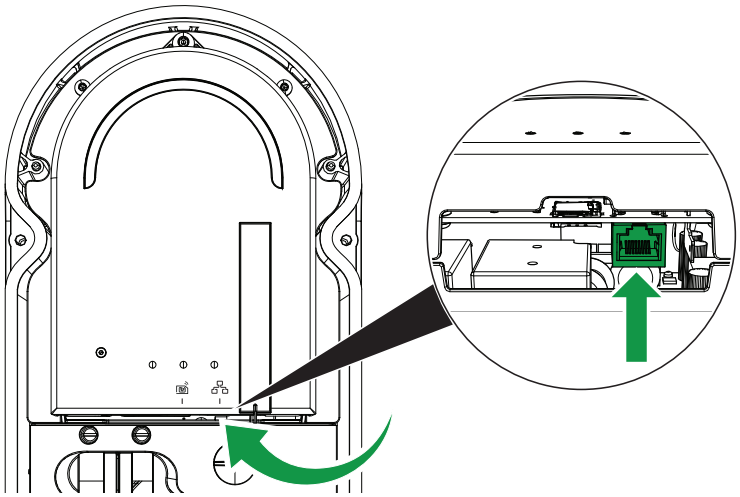
1. Connect the Ethernet cable to the charging station.
2. Update the communication settings in the Configuration Tool. For more information, see *Schneider Charge Pro Configuration Tool Guide (JPU03438)*.

Procedure

To install the Ethernet cable:

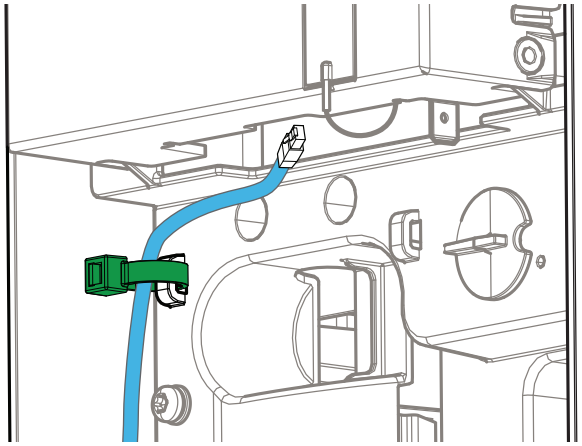
1. Verify that all power sources are turned off. See "Lock-Out and Tag-Out (LOTO)" on page 40.
2. Select a conduit entry and install a conduit fitting. Use a separate conduit from the power wires. See "Selecting the Conduit Entry" on page 31.
3. Thread the Ethernet cable into the wiring compartment through the conduit fitting.
4. Locate the Ethernet (RJ45) port, as shown below.

Figure 26 Ethernet port location



5. Use a cable tie to secure the Ethernet cable to the cable tie mount on the left side of the charging station.

Figure 27 Ethernet cable with cable tie



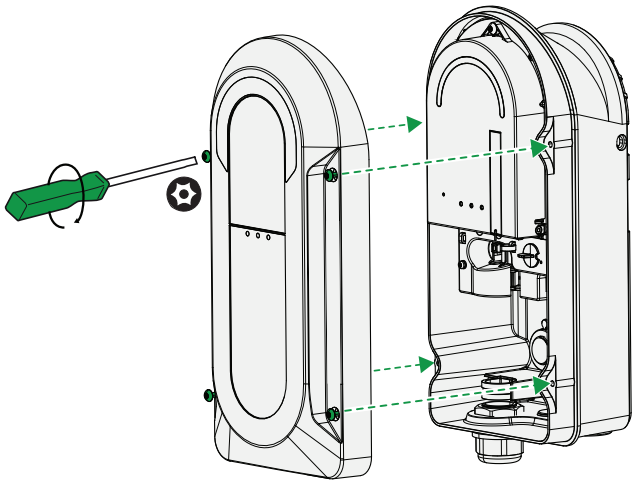
6. Slide the RJ45 connector into the port until it clicks into place.
7. If installed outdoors, seal the conduit entry by applying water-resistant protection.

Reinstalling the Charging Station Cover

To reinstall the cover:

1. Using a soft microfiber cloth, remove debris from the enclosure's edge and gasket, and clean the face of the cover.
2. Place the cover onto the front of the charging station enclosure, aligning the holes in the cover with the enclosure's threaded holes.
3. Using a TR27 tamper-resistant bit, attach the cover using the four captive screws. Torque to 39.8 in-lb +/- 4.4 in-lb (4.5 Nm +/- 0.5 Nm).

Figure 28 Reinstalling the front cover



Replacing the Front Cover Labels

The charging station comes with two optional labels for the front cover:

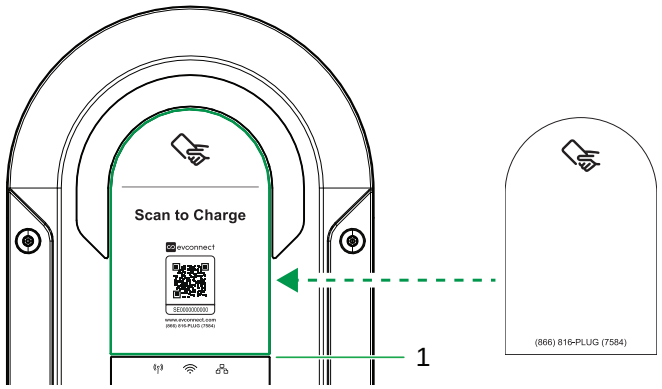
- A label with French and English instructions
- A label with the RFID symbol, if using RFID cards only

Apply the alternate labels on the front cover as needed for your installation.

To install the alternate label(s):

1. Clean the cover with a soft cloth to remove dust or debris.
2. Partially remove the label backing. Avoid touching or holding the sticky surface of the label.
3. To position the RFID label, align the bottom of the label to the ledge at the midpoint of the charging station cover.

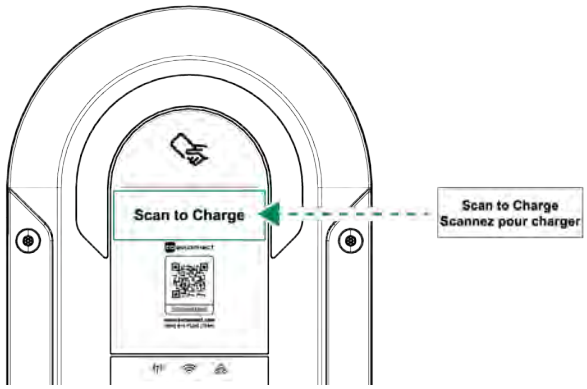
Figure 29 Aligning the RFID label



1	Ledge for aligning label

4. To position the French and English label, align the left side of the label to the left side of the existing label, so that the label will cover "**Scan to Charge**" when applied.

Figure 30 Aligning the French and English label



5. Using a flat, flexible item like a credit card, press the label to the surface of the cover from one side to the other, applying even pressure.

6 Commissioning

What's in This Chapter?

Commissioning Checklist

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, ARC FLASH, AND FIRE

Thoroughly inspect the charging station prior to energizing. Verify that no tools or materials have inadvertently been left inside the charging station. Inspect the cover gasket for debris or damage before installing the cover.

Failure to follow these instructions will result in death or serious injury.

	Before powering the charging station, perform the following inspections:
Physical Inspection	
❑	The charging station is mounted per the instructions in this guide.
❑	The supplied foam sealing washer is installed on the bottom mounting screw that secures the charging station to the mounting bracket or pedestal.
❑	The cables are routed through cable glands or conduits and protected against potential mechanical damage and from the environment (if installed outdoors).
❑	The wires are properly and firmly connected, and torqued to specification.
❑	The output current limit has been set correctly using the physical dial.
❑	The Micro SIM or Ethernet cable (if using) is installed.
❑	The charging station, cable, and pedestal (if using) are not damaged.
❑	There are no objects such as tools or extra screws inside or on top of the charging station.
❑	There is no water, sand, dirt, or debris inside or on top of the charging station.
❑	The charging station is installed in a location with sufficient Cellular or Wi-Fi reception.
❑	The front cover is installed on the charging station, and the screws are fastened with the correct torque.
❑	The product labels are installed and affixed permanently.
❑	The charging cable is wound around the charging station's trough.
Prepare for network commissioning	
❑	Check that you have a laptop computer, tablet, or mobile phone with a charged battery and internet connection at the commissioning site.
❑	If connectivity will be limited at the site and you are viewing this document online, download or print a copy that you can access offline.

Commissioning with EV Connect

Use the EV Connect Commissioning App to commission the charging station.

To commission the charging station:

1. After the charging station is installed, access the EV Connect Commissioning App using one of the following methods:
   - Go to www.evconnect.com/chargepro/start or scan the QR code below:

   - Scan the QR code on the side label on the charging station.
   - Scan the QR code on the commissioning postcard included in the package.
2. Select **Start Commissioning** to launch the Commissioning App.
3. Log in to the Commissioning App. You will need to create an account if you don't already have one.
4. In the Commissioning App, complete the commissioning process.
5. After commissioning is complete, the charging station owner must activate the charging station online. The owner can access the activation website by using one of the methods in step 1.

Configuring the Charging Station with the Configuration Tool

After commissioning, qualified personnel can use the Configuration Tool to manage optional configurations for individual charging stations, if necessary.

To configure the charging station, connect to the charging station Wi-Fi Access Point (AP) and then log in to the Configuration Tool.

For more information, see *Schneider Charge Pro Configuration Tool Guide (JPU03438)*.

⚠ WARNING

POTENTIAL COMPROMISE OF SYSTEM AVAILABILITY, INTEGRITY, AND CONFIDENTIALITY

Follow the cybersecurity best practices in this document to help prevent unauthorized access to the system software.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Connecting to the Charging Station Wi-Fi Access Point

Note:

- Wi-Fi Access Point times out after five minutes of inactivity. Power cycle the unit to restart the Access Point. If you are configuring many units at the same time, you may want to power the units on individually or in small numbers to avoid Access Point time out.
- After you have logged in to the Configuration Tool, the AP session extends to one hour.
- If your browser does not open automatically, open it manually.
- If the network does not appear in four minutes, power cycle the unit.

To connect to the Wi-Fi Access Point:

1. Turn on the charging station and wait for the booting process to finish, about two minutes. The main LED pulses white on startup.
2. When the Wi-Fi LED blinks blue, the charging station has started the Wi-Fi Access Point.
3. Using an iOS, Android, or Windows device, connect to the Wi-Fi Access Point network called **SECharge_** followed by the charging station's unique serial number. The serial number is located on the label on the bottom of the charging station. No login credentials are required.

Logging in to the Configuration Tool

Note: To access the Configuration Tool, the recommended browser is Google Chrome.

To log in to the Configuration Tool:

1. After your device connects to the Wi-Fi Access Point, go to the following address in your browser: **https://10.0.0.1**.
2. On first access, the browser prompts you to accept the security certificate. On the "Your connection is not private" page, select **Advanced**, then select **Accept the Risk and Continue**. The browser remembers your preferences for future sessions when logging into this charging station unit.
3. To log in to the Configuration Tool, use the following credentials, and then select **Connect**.
    a. Username: **admin**
    b. Password: **password**
4. After first login, you are required to change your password when prompted. The password should be 8 or more characters, and include upper case, lower case, numbers, and symbols. Enter a new password and then select **Save**.

    IMPORTANT: The password is required to access the local settings for the charging station. When updating the password, record the new password for future use. If the password is forgotten, the charging station may need to be reset to factory settings and reconfigured.

7 Operation

What's in This Chapter?

Charging Station Operation

Powering On the Charging Station

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, ARC FLASH, AND FIRE

Thoroughly inspect the charging station prior to energizing. Verify that no tools or materials have inadvertently been left inside the charging station. Inspect the cover gasket for debris or damage before installing the cover.

Failure to follow these instructions will result in death or serious injury.

To power on the Schneider Charge Pro:

1. Turn on the circuit breaker(s) connected to the charging station.
2. The charging station completes the booting process in about two minutes. The main LED pulses white while booting up.
3. Confirm that the main LED is solid green, indicating that the charging station is ready to charge.

Modes of Operation

The Schneider Charge Pro allows the following authorization types:

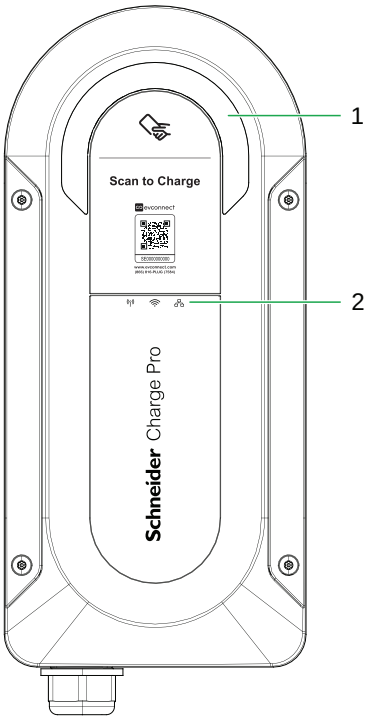
Table 8 Authorization types

Authorization type	Description
RFID	An RFID badge or fob that is associated with a unique token that is authorized for use with the charging station. The driver must tap their RFID badge against the charging station to begin charging, or authenticate using EV Connect. For details on recommended RFID types, see "RFID Token Recommendation" on page 20.
Autocharge	Automated authorization occurs between the charging station and EV, based on a vehicle identifier. No external authorization, such as from an RFID badge, app, or credit card, is required, but the vehicle identifier must be authorized for use in EV Connect. Additional configuration may be required in EV Connect. Charging begins as soon as the charging station is connected to the EV. Authorization occurs as a background process without action needed from the driver.
QR code	The driver must scan the QR code on the front of the charging station and authenticate in EV Connect.
None	The driver can start a charge without using an authorization method.

LEDs

There are two sets of LED indicators on the front of the charging station, as shown in Figure 31.

Figure 31 LED locations



1	Main status LED
2	Communication status LEDs

- The main status LED at the top indicates the state of the charger, including events (see "Main Status LED" on the next page).

  Note: The intensity of the main LED can be configured in the Configuration Tool. See *Schneider Charge Pro Configuration Tool Guide (JPU03438)*.

- The communication status LEDs. These LEDs indicate the connectivity status of the charging station, including whether the charging station is connected to the EV Connect backend:

  Table 9 LED icons

Icon	Meaning
	Cellular connection status
	Wi-Fi or Access Point connection status
	Ethernet connection status

Main Status LED

Table 10 Main LED Status

LED Pattern	Color	LED Behavior	Description
Set Up			
	None	Unlit	No power
	White, pulsing	2 seconds to 100% intensity, 2 seconds fading, 2 seconds to 10% intensity	Power on, booting up
	White, blink once	1 second on, then off	Factory hard reset successful
	Yellow, pulsing	2 seconds to 100% intensity, 2 seconds fading, 2 seconds to 10% intensity	Software updating, charging station cannot be used
Operation			
	Green, solid	Solid	Standby, ready to charge.
	Green, slow blink	2 seconds on, 1 second off	RFID scanned, awaiting authorization
	Red, blink twice	1 second on, 1 second off	RFID scanned, authorization declined
	Green, fast blink	1 second on, 0.5 second off	Authorization accepted, awaiting EV connection.
	White, blinking	1 second on, 1 second off	Authorization accepted.
	Yellow, blink twice	1 second on, 1 second off	Authorization timed out.
	Alternating green and yellow	1 second green, 1 second yellow	EV connected, not charging. Awaiting authorization.
	Blue, blinking	1 second on, 1 second off	EV connected, not charging. Authorized but paused.
	Alternating blue and green	1 second blue, 1 second green	▪ EV connected, preparing to charge ▪ Initiating charge.
	Blue, pulsing	2 seconds to 100% intensity, 2 seconds fading, 2 seconds to 10% intensity	EV connected and charging.

LED Pattern	Color	LED Behavior	Description
	Blue, solid	Solid	▪ Charging complete ▪ Charging is suspended by EV ▪ Charging stopped by user
	Alternating blue and yellow	1 second blue, 1 second yellow	Pending automatic reset.
	Alternating green and white	1 second green, 1 second white	Reserved
	Alternating green and red	1 second green, 1 second red	Unavailable
Event			
	Red, solid	Solid	General event / other. See "Event LEDS" on page 70.
	Red, slow blink then 2 blinks, repeating	2 seconds on, 1 second off, 1 second on, 1 second off, 1 second on	EV communication event
	Red, slow blink then 3 blinks, repeating	2 seconds on, 1 second off, 1 second on, 1 second off, 1 second on, 1 second off, 1 second on	Internal EVSE event. See "Event LEDS" on page 70.

Communication Status LEDs

Cellular LED

Table 11 Cellular LED connection status

LED Pattern	Color	LED Behavior	Description
	White, blinking	1 second on, 1 second off	Cellular attempting to connect.
	Orange, solid	Solid	Cellular connected with weak connection. EV Connect backend connected.
	Yellow, solid	Solid	Cellular connected with average connection. EV Connect backend connected.
	Green, solid	Solid	Cellular connected with good connection. EV Connect backend connected.
	Alternating orange and white	1 second orange, 1 second white	Cellular connected with weak connection. EV Connect backend not connected.
	Alternating yellow and white	1 second yellow, 1 second white	Cellular connected with average connection. EV Connect backend not connected.
	Alternating green and white	1 second green, 1 second white	Cellular connected with good connection. EV Connect backend not connected.
	Red, solid	Solid	Cellular enabled, but not connected for 10 minutes, or SIM card event.
	None	Unlit	Cellular disabled, or no power.
	White, blink once	1 second on, then off	Factory hard reset successful.

Wi-Fi LED

Table 12 Wi-Fi LED connection status

LED Pattern	Color	LED Behavior	Description
	Blue, blinking	1 second on, 1 second off	Wi-Fi Access Point available.
	Blue, solid	Solid	Wi-Fi Access Point connected and user logged in.
	White, blinking	1 second on, 1 second off	Wi-Fi attempting to connect.
	Orange, solid	Solid	Wi-Fi connected with weak connection. EV Connect backend connected.
	Yellow, solid	Solid	Wi-Fi connected with average connection. EV Connect backend connected.
	Green, solid	Solid	Wi-Fi connected with good connection. EV Connect backend connected.

LED Pattern	Color	LED Behavior	Description
	Alternating orange and white	1 second orange, 1 second white	Wi-Fi connected with weak connection. EV Connect backend not connected.
	Alternating yellow and white	1 second yellow, 1 second white	Wi-Fi connected with average connection. EV Connect backend not connected.
	Alternating green and white	1 second green, 1 second white	Wi-Fi connected with good connection EV Connect backend not connected.
	Red, solid	Solid	Wi-Fi enabled, but not successfully connected for 10 minutes.
	None	Unlit	Wi-Fi disabled, or no power.
	White, blink once	1 second on, then off	Factory hard reset successful.

Ethernet LED

Table 13 Ethernet LED connection status

LED Pattern	Color	LED Behavior	Description
	Green, solid	Solid	Ethernet connected. EV Connect backend connected.
	Alternating green and white	1 second green, 1 second white	Ethernet connected. EV Connect backend not connected.
	None	Unlit	▪ Ethernet enabled, not connected ▪ Ethernet disabled ▪ No power
	White, blink once	1 second on, then off	Factory hard reset successful.

Cellular and Wi-Fi Signal Strength

The Cellular and Wi-Fi LEDs indicate the strength of the signal they are receiving. The recommended signal strength is in the **Good** range (shown below).

The signal strength is also displayed in the Configuration Tool. See *Schneider Charge Pro Configuration Tool Guide (JPU03438)*.

Table 14 Communication signal strength

LED	LED Behavior	Meaning	RSSI (dBm)
Cellular	Solid Orange	Weak signal	< -85 dBm
	Solid Yellow	Average signal	-75 dBm to -85 dBm
	Solid Green	**Good signal**	> -75 dBm
Wi-Fi	Solid Orange	Weak signal	< -70 dBm
	Solid Yellow	Average signal	-60 dBm to -70 dBm
	Solid Green	**Good signal**	> -60 dBm

Starting a Charge

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, ARC FLASH, AND FIRE

- Do not use the charging station if there is any damage to the unit.
- The charging station is intended for charging electric vehicles only. Do not use the charging station to charge other devices.
- The charging station is intended only for charging vehicles not requiring ventilation during charging.
- Do not use a converter, extension cable or extension cord to connect the charging cable to the electric vehicle.
- Do not touch the charging station connector with wet hands.
- Do not insert foreign objects into any part of the charging station.
- Do not step on or forcefully pull the charging cable.
- The charging station is not user serviceable. If you are a user, do not attempt to open, disassemble, repair, tamper with, or modify the charging station. The charging station must be serviced by qualified personnel only.

Failure to follow these instructions will result in death or serious injury.

⚠ ⚠ WARNING

HAZARD OF ELECTRIC SHOCK AND FIRE

- Do not use the charging station if the enclosure, power cord, charging cable, or connector are broken, frayed, or show any signs of damage.
- Do not leave children unsupervised around the charging station.
- Do not put fingers into the charging cable connector.
- Do not touch the charging cable connector terminals with sharp metallic objects.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

⚠ CAUTION

HOT SURFACE

- In high ambient temperatures at high current outputs, parts of the metal enclosure of the charging station may be hot to touch.
- Do not touch the metal enclosure of the charging station while an electric vehicle is charging.
- Allow time to cool before servicing.

Failure to follow these instructions can result in injury.

To charge an EV:

1. Confirm that the main LED is solid green, indicating that the charging station is ready to charge.
2. Unwind the charging cable from the charging station.
3. Open the charging socket cover on the EV.
4. Insert the charging cable connector into the socket.
5. If authorization is required, authorize the charge using the RFID card reader, mobile app, or Autocharge methods.
6. When the main LED pulses blue, the EV is charging.
7. When charging is complete and the main LED shows solid blue, disconnect the charging cable connector from the EV.
8. Carefully wind the charging cable around the charging station.
9. Close the charging socket cover on the EV.

Storing the Charging Cable

⚠ ⚠ WARNING

HAZARD OF ELECTRIC SHOCK

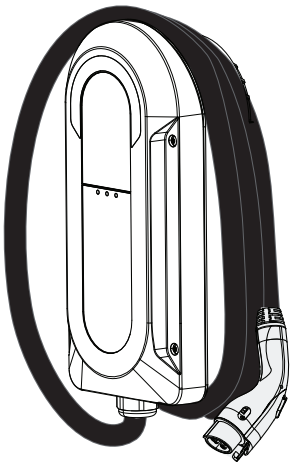
Do not allow the charging cable connector to rest on the ground where it may come in contact with water. When not in use, wind the charging cable around the charging station, ensuring that the charging cable connector does not touch the ground.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

When not in use, store the charging cable to help prevent tangling, damage, or hazards. Ensure that the charging cable connector does not touch the ground:

- If the charging station is mounted on a pedestal, ensure that the cable is clamped into the retractor in the correct position. Refer to the instructions provided by the pedestal manufacturer.
- If the charging station is mounted to a wall, wrap the charging cable around the enclosure.

Figure 32 Charging cable storage



8 Troubleshooting

What's in This Chapter?

Troubleshooting

Before contacting Technical Support, qualified personnel can perform the following troubleshooting steps:

1. Check the logs provided by EV Connect.
2. Check the Configuration Tool. If an event message or prompt is displayed, record it before proceeding. For more information, see *Schneider Charge Pro Configuration Tool Guide (JPU03438)*.
3. Attempt the solution corresponding to the event in the table on page 70.
4. If the charging station LED is not lit, check the following to confirm that the current state of the installation allows the device to operate properly:
    a. The charging station is located in a clean, dry, and well-ventilated location.
    b. The AC input cable size is appropriate.
    c. The input wires and charging cable are connected correctly and are in good condition.
    d. The configuration settings are suitable for your specific installation.
    e. The charging station is receiving adequate Wi-Fi, Cellular, or Ethernet signal.
    f. There is power flowing to the charging station.

Getting Support

If all of the checks above are complete and the event persists, contact Schneider Electric Technical Support for further assistance. Call (877) 342 5173 (USA) or 1 (800) 565 6699 (Canada) or go to https://www.se.com/ww/en/work/support/.

Note: You will need to provide the event code (if applicable), device installation details, and the model and serial number (see the labels on your charging station).

Contacting EV Connect

For EV charging support, contact EV Connect at 866-816-PLUG (7584).

Event LEDS

If the charging station displays an event LED, reference the event code in the Configuration Tool for additional information.

Table 15 LED status events

Situation	Possible Cause	Steps for Resolution
Main LED displays solid red	Power board	1. Check the Configuration Tool or EV Connect for event logs. 2. If the event persists, disconnect the charging station from the power source and reconnect after 30 seconds to power cycle the unit. 3. If the event persists, contact Technical Support.
While EV is charging, the main LED flashes red in the following pattern: slow blink then 2 blinks, repeating.	Vehicle communication event	1. Disconnect the charging station from the EV. 2. If the event clears, reconnect the charging station to the EV. 3. If the event persists, disconnect the charging station from the power source and reconnect after 30 seconds to power cycle the unit. 4. If the event persists, contact Technical Support.
Main LED displays flashing red in the following pattern: slow blink then 3 blinks, repeating	Internal charging station event	1. Check the Configuration Tool or EV Connect for event logs. 2. If the event persists, disconnect the charging station from the power source and reconnect after 30 seconds to power cycle the unit. 3. If the event persists, contact Technical Support.
All LEDs are unlit	Power supply	1. Disconnect the charging station from the power source and reconnect after 30 seconds to power cycle the unit. 2. If the event persists, contact Technical Support.

Event Codes

Table 16 Configuration Tool event codes

UID	Description	Steps for Resolution
8, 26, 27, 57, 82, 98, 100, 108, 109, 139	Internal event	1. Restart the charging session. 2. Try a different EV. 3. Power cycle the charging station by disconnecting it from the power source, waiting 30 seconds, and reconnecting it. 4. If the same event code persists, contact Technical Support.
9, 50, 51, 74, 80, 106, 223	Internal event	1. Restart the charging session. 2. Try a different EV. 3. If the same event code persists, contact Technical Support.
10	Overtemperature	1. Ensure that the heat sink is clear of dust and debris accumulation. 2. Power cycle the charging station. 3. If the same event code persists, contact Technical Support.
12	Hard overcurrent	1. Power cycle the charging station. 2. Try a different EV. 3. If the same event code persists, contact Technical Support.
13	Overvoltage	1. Verify proper grid voltage and connections. 2. Power cycle the charging station. 3. If the same event code persists, contact Technical Support.
14	Undervoltage	1. Verify proper grid voltage and connections. 2. Power cycle the charging station. 3. If the same event code persists, contact Technical Support.
17, 62	Ground fault	1. Verify proper ground (PE) connection. 2. Power cycle the charging station. 3. If the same event code persists, contact Technical Support.
28	Idle current	1. Verify proper wiring connections. 2. Power cycle the charging station. 3. If the same event code persists, contact Technical Support.
36, 37, 38, 72, 104, 169, 177, 203, 241, 244	Internal event	1. Power cycle the charging station. 2. If the same event code persists, contact Technical Support.
39, 57	Soft overcurrent	1. Restart the charging session. 2. Power cycle the charging station. 3. Try a different EV. 4. If the same event code persists, contact Technical Support.
236	Internal event	1. Power cycle the charging station. 2. Try a different EV. 3. If the same event code persists, contact Technical Support.
239, 240, 271	Internal event	1. Generally, the charging station automatically recovers. 2. If the same event code persists, contact Technical Support.
Other		Contact Technical Support.

9 Maintenance

What's in This Chapter?

Maintenance

Routine Maintenance

The surface of the charging station can be cleaned by using a lint-free soft cloth.

NOTICE

RISK OF EQUIPMENT DAMAGE

- Use only a soft cloth to clean the charging station.
- Do not use solvents or chemicals that are corrosive or flammable.

Failure to follow these instructions can result in equipment damage.

Qualified personnel should regularly inspect the charging station. See the table below for required maintenance:

Table 17 Routine maintenance

Description	Frequency
Check the heat sink at the rear of the charging station for dust and dirt accumulation, and clean the charging station if necessary.	Every 1-2 months
Check that the indicator lights on the charging station are normal. Troubleshoot as needed (see "Troubleshooting" on page 69).	Every 1-2 months
Check the charging cable and all accessible wiring for damage or aging.	Every 6 months
Clean the charging station's front panel.	Every 6 months

Replacing the Charging Cable

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, ARC FLASH, AND FIRE

- This charging station must only be installed, uninstalled, and serviced by qualified electrical personnel.
- Qualified personnel must use appropriate personal protective equipment (PPE) and follow safe electrical work practices according to NFPA 70E or CSA Z462.
- This charging station is energized from AC. Before removing the cover, de-energize, lock out and tag out, and wait five minutes for circuits to discharge.
- Verify de-energization with a voltage sensing device, rated 600 V or higher.
- Do not service the charging station or start a charge with the cover removed.

Failure to follow these instructions will result in death or serious injury.

⚠ ⚠ WARNING

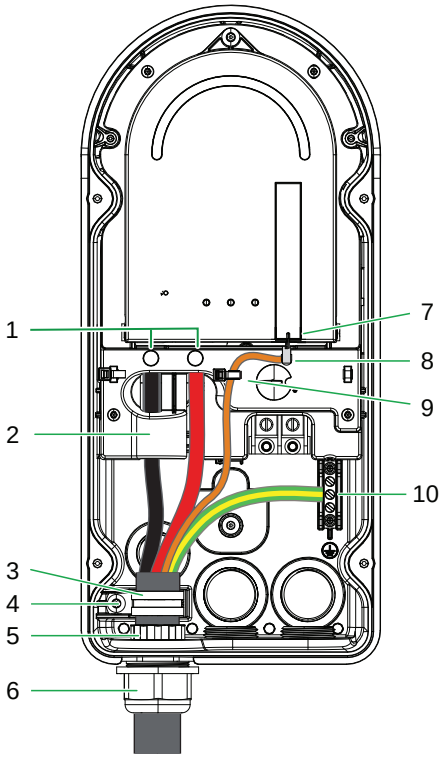
HAZARD OF ELECTRIC SHOCK AND FIRE

- Before powering on equipment, verify that all wiring is in good condition and that the wires are not undersized. Do not operate the charging station with damaged or substandard wiring.
- Do not disassemble the charging station except where noted for connecting wiring and cabling.
- Use only the accessories that are recommended by the manufacturer.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Pre-Installed Charging Cable Overview

Figure 33 Pre-installed charging cable features (AC wiring excluded)



1	L1 and L2 terminals	6	External nut on M32 gland**
2	Current transformer	7	Cellular antenna
3	Strain relief clamp*	8	Spade lug for control pilot wire
4	Strain relief clamp screw	9	Cable tie attachment for control pilot wire
5	Internal lock nut	10	Ground terminal block

* For J1772 (Type 1) cables, the clamp diameter is 7/8 in. (22 mm). For J3400 (NACS), the clamp diameter is 3/4 in. (19 mm).

** For J1772 (Type 1) cables, the gland diameter is 3/4 - 1 in. (18 to 25 mm). For J3400 (NACS), the gland diameter is 5/8 to 7/8 in.(15 to 22 mm).

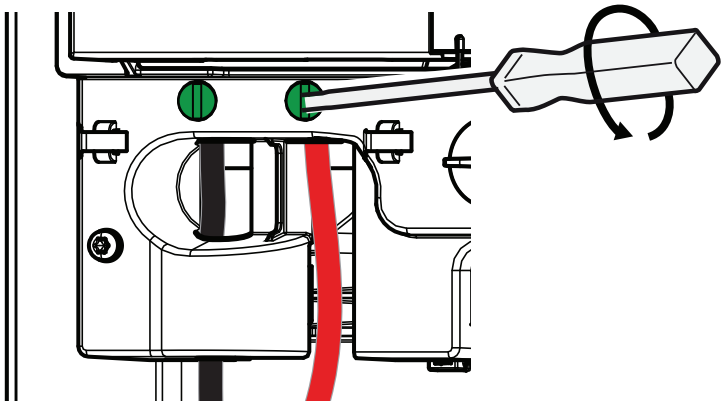
Note: Schneider Charge Pro AC48 has an orange control pilot wire. The Schneider Charge Pro AC80 has a white control pilot wire.

Removing the Pre-Installed Charging Cable

To remove the charging cable:

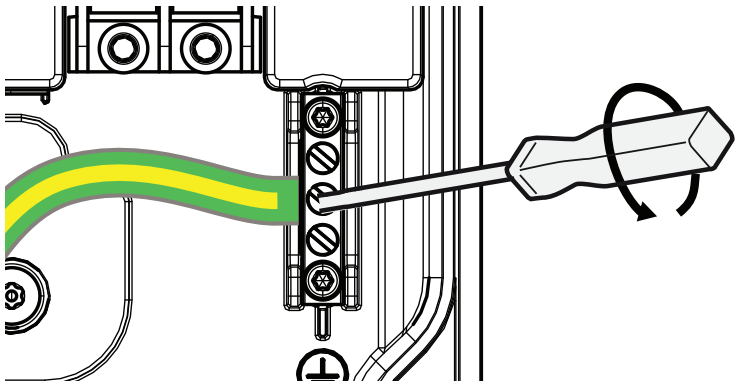
1. Verify that all power sources are turned off. See "Lock-Out and Tag-Out (LOTO)" on page 40.
2. Remove the charging station cover. See "Removing the Charging Station Cover" on page 30.
3. Using a 5/16 in. (6.5 mm) flat blade bit, loosen the two terminal screws for the charging cable L1 and L2 wires, and then remove the wires from the terminal block.

   Figure 34 L1 and L2 terminals for charging cable



4. Remove the ground wire:
   a. Using a 1/4 in. flat-blade bit, loosen the terminal screw for the charging cable ground wire.

      Figure 35 Ground terminal for charging cable



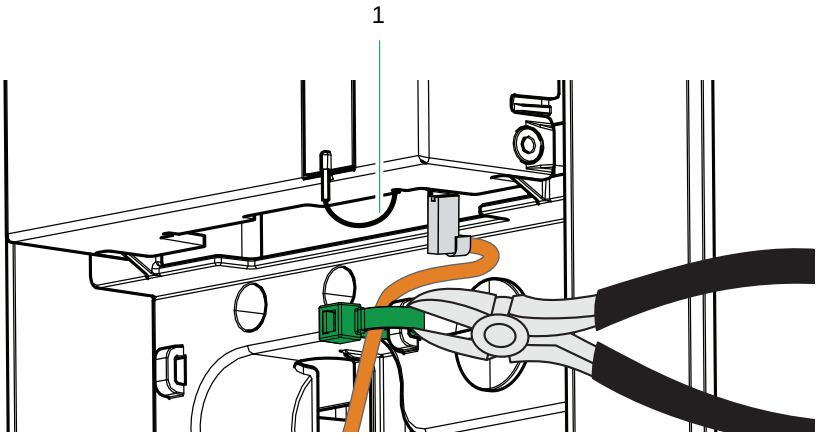
   b. Remove the ground wire from the terminal.

5. Remove the control pilot wire:

   a. Remove the cable tie located to the left of the Current Selector dial (see Figure 36).

   Note: When removing the cable tie for the pilot wire, avoid pulling or disturbing the wiring for the cellular antenna.

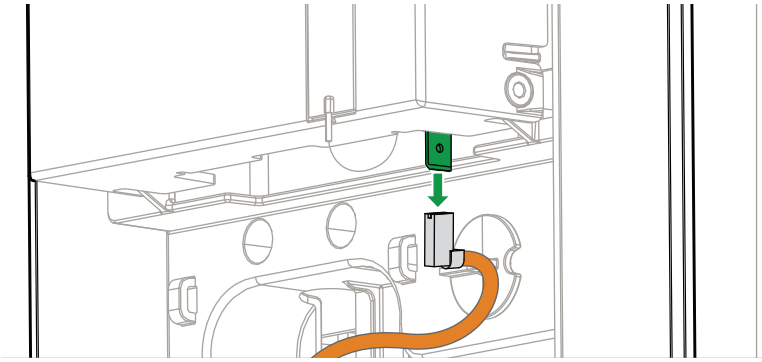
   Figure 36 Cable tie for control pilot wire



1	Cellular antenna wiring

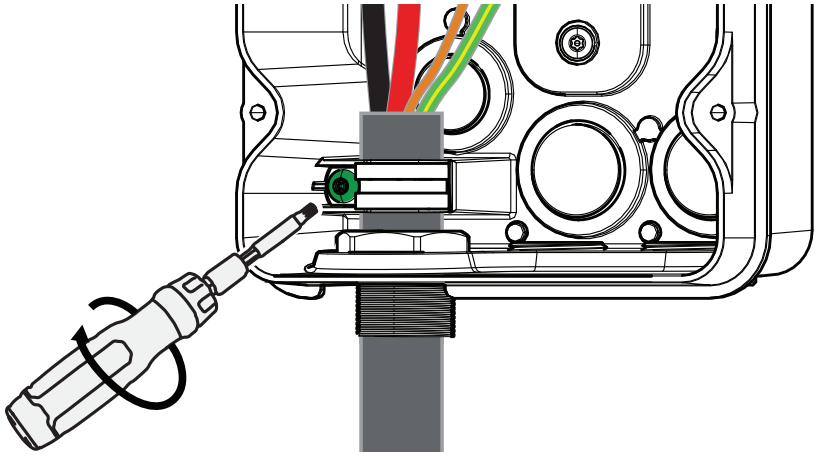
   b. Disconnect the control pilot wire from the spade lug.

   Figure 37 Control pilot wire connection



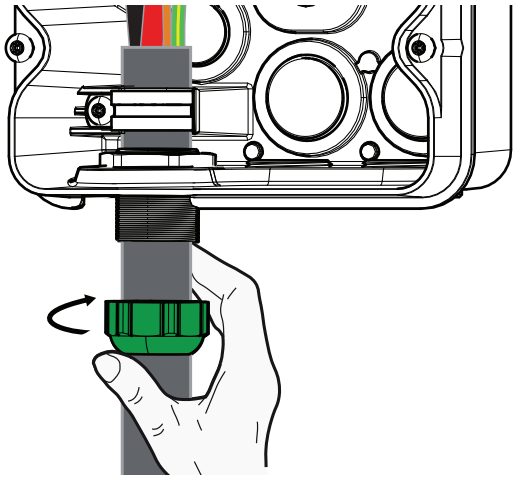
6. Using a TR27 bit, loosen the screw on the strain relief clamp until the charging cable can move freely through the clamp and cable gland.

Figure 38 Loosening the screw on strain relief clamp



7. Using an adjustable wrench, unscrew the external nut on the M32 gland of the charging cable. Slide the nut down the cable to be removed later.

Figure 39 Loosening the external nut



8. Carefully pull the charging cable out of the enclosure through the M32 gland.
9. Remove the external gland nut from the old cable and save it for installation on the new cable. Inspect the nut to make sure it is not damaged.
10. Inspect the cable gland to confirm that it is not damaged or missing any components.

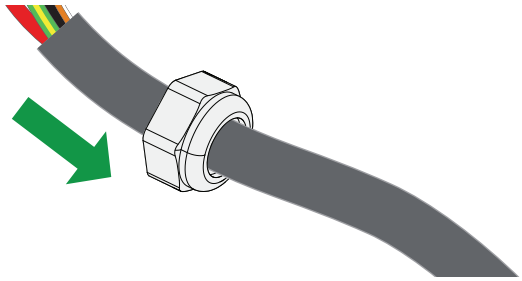
Installing the Replacement Charging Cable

NOTICE
RISK OF EQUIPMENT DAMAGE Avoid allowing the weight of the cable **Failure to follow these instructions can result in equipment damage.**

To install the new cable:

1. Before installing, ensure that the new charging cable is compatible with your charging station. For more information, see "Related Products" on page 18.
2. Slide the gland nut (from the original cable) onto the new cable.

   Figure 40 Inserting gland nut on cable

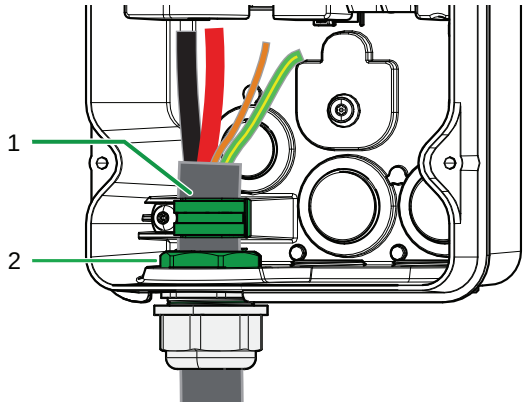
   

3. If necessary, reinstall the strain relief clamp onto the enclosure, leaving the screw loose (see Figure 41).
4. Unwrap the end of the new charging cable and feed the cable through the cable gland hole into the enclosure, passing it through the lock nut and strain relief clamp.

   Note: To help avoid pulling on the charging station terminals during installation, you may do the following:

   - Loop the extra charging cable length around the charging station.
   - Rest the extra charging cable on the ground.
   - Temporarily tighten the strain relief clamp. Ensure that you adjust the final position of the charging cable and clamp after connecting the wires to the terminals (see Figure 48 below).

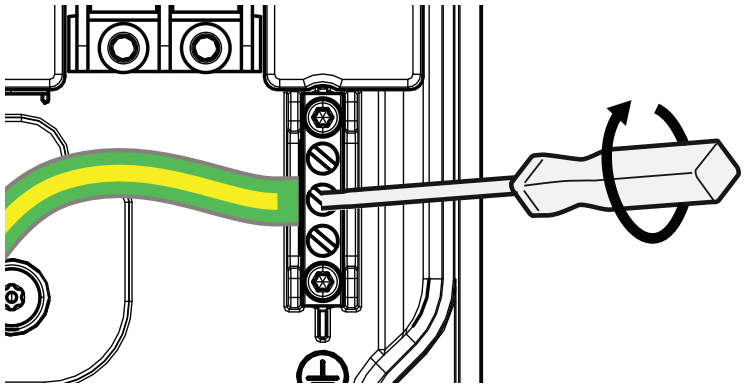
Figure 41 Inserting new charging cable



1	Strain relief clamp
2	Lock nut

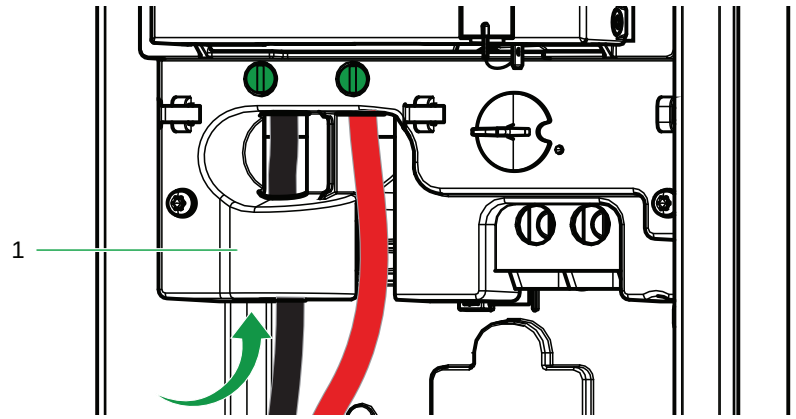
5. Install the ground wire:
    a. Insert the charging cable ground wire into the ground terminal.
    b. Using a 1/4 in. flat-blade bit, tighten the terminal block screw. Torque to 23 in-lb +/- 2.3 in-lb (2.7 Nm +/- 0.27 Nm).

Figure 42 Installing the ground wire



6. Install the L1 and L2 wires:
    a. Insert the L1 and L2 wires into the terminals. Ensure that the L1 wire passes through the current transformer before the terminal block.

Figure 43 L1 and L2 terminals



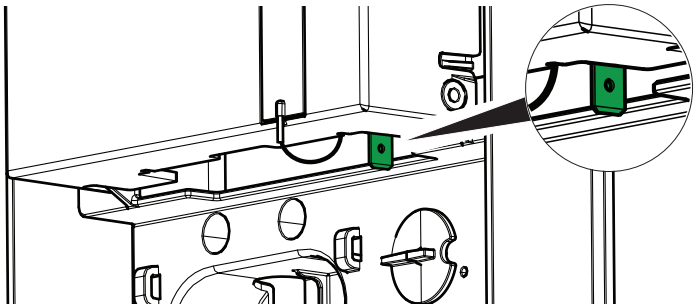
1	Current transformer

b. Using a 5/16 in. (6.5 mm) flat blade bit, tighten the L1 and L2 terminal block screws.
   - For 48 A: Torque to 40 in-lb ± 4.6 in-lb (4.5 Nm ± 0.45 Nm).
   - For 80 A: Torque to 46 in-lb ± 4.6 in-lb (5.2 Nm ± 0.52 Nm).

7. Install the control pilot wire:

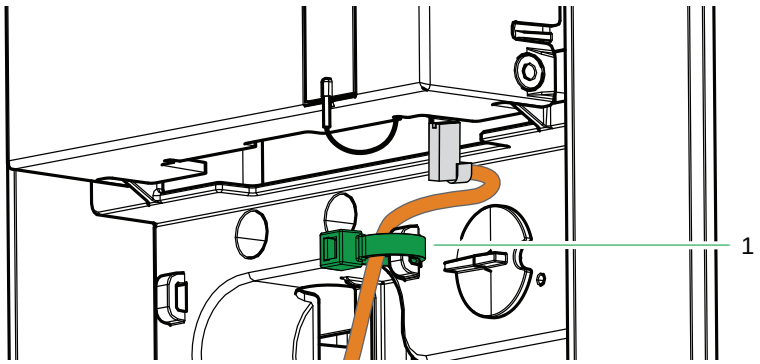
   a. Attach the control pilot wire connector to the spade lug on the control board.

   Figure 44 Location of spade lug



   b. Use a cable tie to secure the control pilot wire to the cable tie mount to the left of the Current Selector dial.

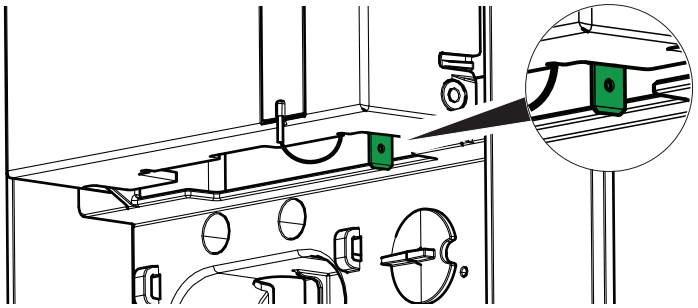
   Figure 45 Control pilot wire with cable tie



Install the control pilot wire:

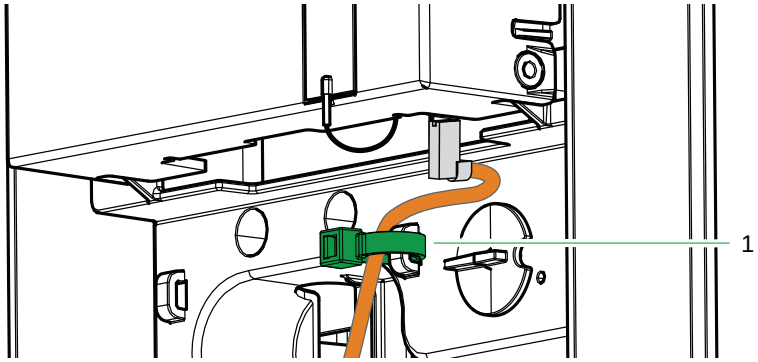
a. Attach the control pilot wire connector to the spade lug on the control board.

Figure 46 Location of spade lug



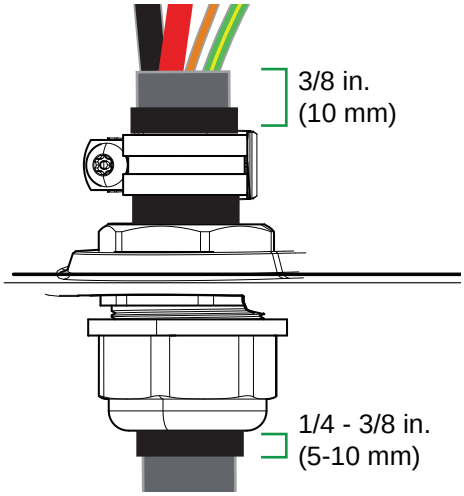
b. Use a cable tie to secure the control pilot wire to the cable tie mount to the left of the Current Selector dial.

Figure 47 Control pilot wire with cable tie



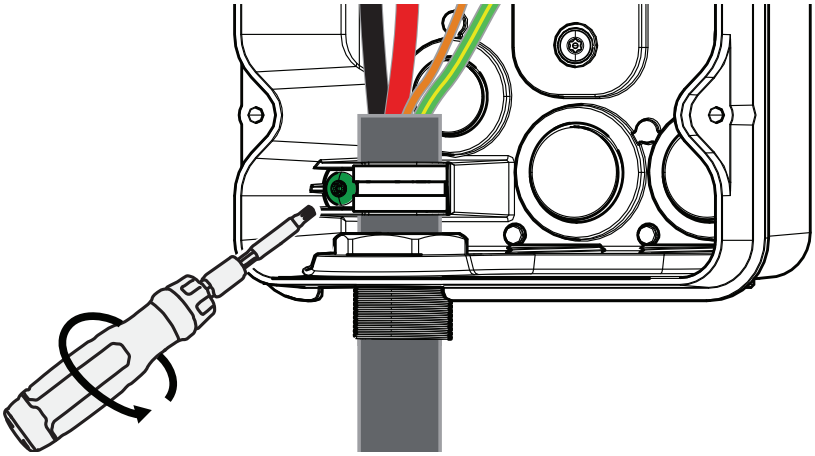
8. Perform a push-pull test on all wires to confirm they are not loose.
9. Push the charging cable into the enclosure to ensure there is a slight amount of slack in the wires. Ensure that 3/8 in. (10 mm) of cable sleeve is visible above the strain relief clamp, and 1/4 in. to 3/8 in. (5-10 mm) is visible below the cable gland nut, as shown in Figure 48.

Figure 48 Cable sleeve placement



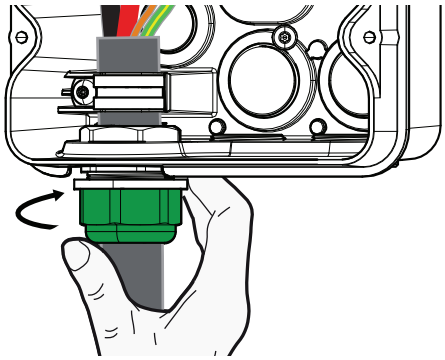
10. Using a TR27 bit, tighten the strain relief clamp screw. Torque to 40 in-lb ± 4 in-lb (4.5 Nm ± 0.4 Nm).

Figure 49 Tightening the screw on strain relief clamp



11. Tighten the external nut to 57.5 in-lb ± 4 in-lb (6.5 Nm ± 0.5 Nm).

Figure 50 Tightening the external nut



12. Reinstall the front cover using the four captive screws. Torque to 39.8 in-lb ± 4.4 in-lb (4.5 Nm ± 0.5 Nm). See "Reinstalling the Charging Station Cover" on page 51.
13. If the charging station is mounted on a pedestal, ensure that the charging cable is properly attached to the pedestal retractors. Refer to the instructions provided by the pedestal manufacturer.

Replacing the Battery

NOTICE

RISK OF EQUIPMENT DAMAGE

- The internal carrier door is not intended to carry weight. Do not forcefully pull down on, apply pressure to, or place objects on the carrier door.
- Before opening the internal carrier door, remove the control pilot wire and the Ethernet cable.
- To avoid dislodging the cellular antenna wiring, open the internal carrier door carefully.

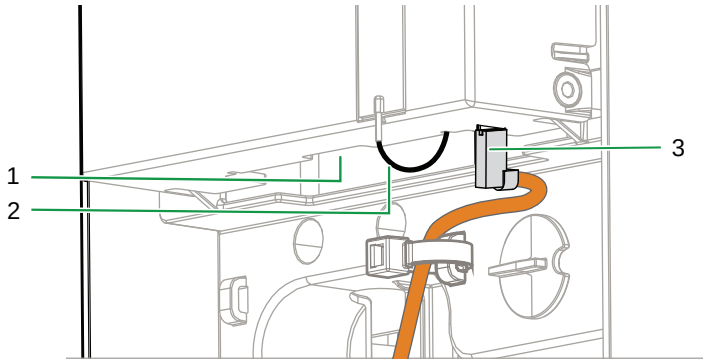
Failure to follow these instructions can result in equipment damage.

The battery powers the internal clock and may require replacing after approximately five years. The charging station requires one BR2032 battery. For more information, see "Required Tools and Materials" on page 23.

To replace the battery:

1. Verify that all power sources are turned off. See "Lock-Out and Tag-Out (LOTO)" on page 40.
2. Remove the charging station cover. See "Removing the Charging Station Cover" on page 30.
3. To avoid damage, remove the control pilot wire and communications connections (for example, the Ethernet cable).

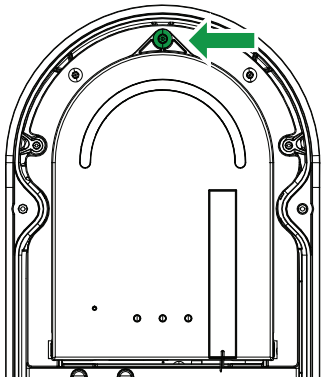
Figure 51 Location of connections



1	Ethernet port
2	Cellular antenna wire
3	Control pilot lug

4. Using a TR27 tamper-resistant bit, loosen the captive screw at the top of the carrier until it releases.

Figure 52 Carrier screw location

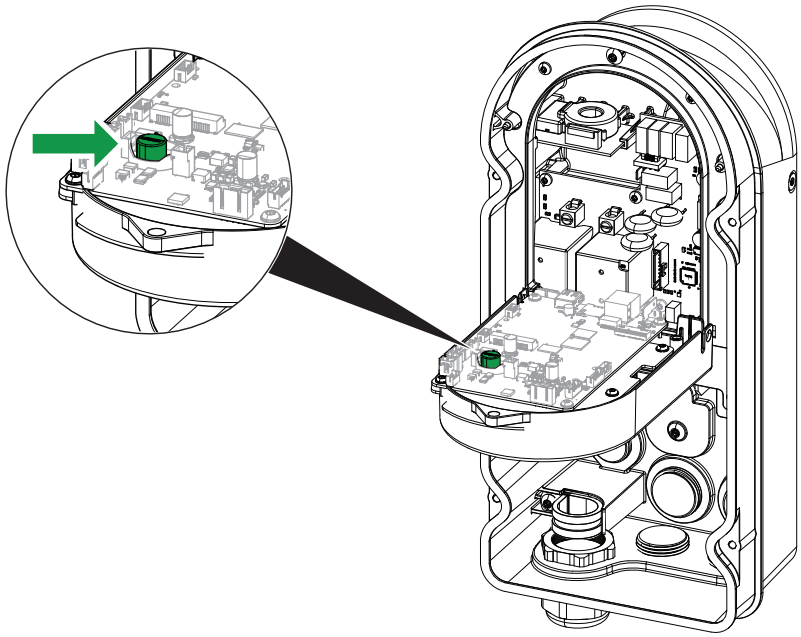


5. Gently hinge down the carrier door.

Note: When opening the door, avoid pulling on the cellular antenna wiring.

6. Remove the battery from the door of the carrier.

Figure 53 Battery location



7. Insert a BR2032 battery.
8. Close the carrier and tighten the captive screw using a TR27 tamper-resistant bit. Torque to 22.1 in-lbs (2.5 Nm).
9. Replace the control pilot wire and communications connections.
10. Reinstall the front cover using the four captive screws. Torque to 39.8 in-lb ± 4.4 in-lb (4.5 Nm ± 0.5 Nm). See "Reinstalling the Charging Station Cover" on page 51.

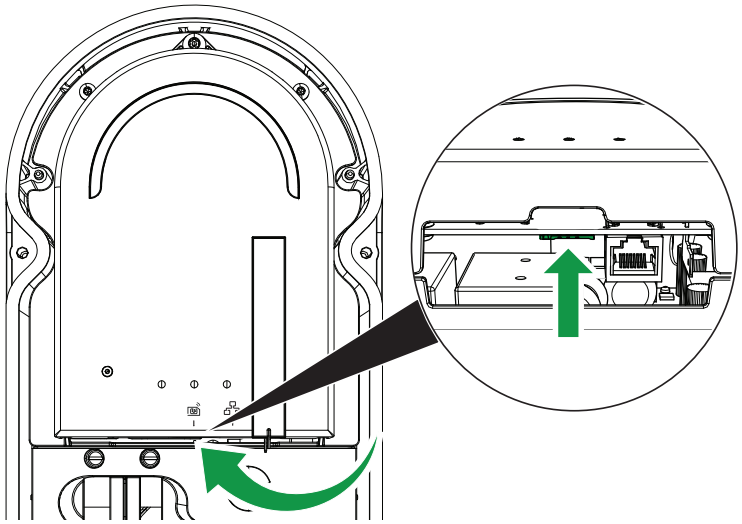
Replacing the Micro SIM Card

Use this procedure if the pre-installed EV Connect Micro SIM card requires replacing.

To replace the Micro SIM card:

1. Verify that all power sources are turned off. See "Lock-Out and Tag-Out (LOTO)" on page 40.
2. Remove the charging station cover. See "Removing the Charging Station Cover" on page 30.
3. Locate the Micro SIM card slot.

   Figure 54 Location of the Micro SIM card slot



4. Remove the pre-installed Micro SIM card.
5. Slide the replacement Micro SIM card into the Micro SIM card slot until it clicks into place.
6. Reinstall the front cover using the four captive screws. Torque to 39.8 in-lb ± 4.4 in-lb (4.5 Nm ± 0.5 Nm). See "Reinstalling the Charging Station Cover" on page 51.

Decommissioning

Decommission the unit by completing a hard reset, following the procedure in "Completing a Hard Reset" below.

Completing a Hard Reset

⚠⚠ DANGER

HAZARD OF ELECTRIC SHOCK

- This charging station must be serviced by qualified personnel only.
- Qualified personnel must use appropriate personal protective equipment (PPE) and follow safe electrical work practices according to NFPA 70E or CSA Z462.
- To perform a hard reset, the charging station must be energized while the cover is removed. Do not touch the energized L1 and L2 conductors.
- Press the reset button only with a non-metallic pin or tool.

Failure to follow these instructions will result in death or serious injury.

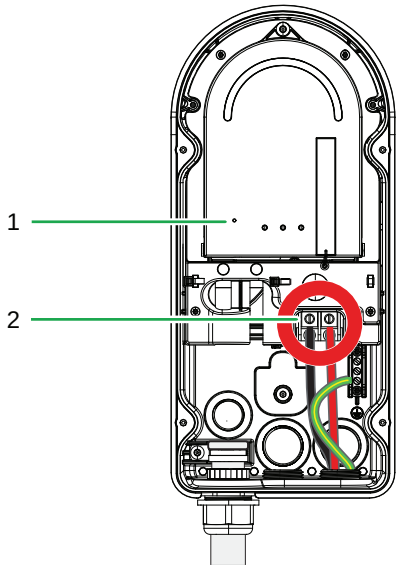
Note:

- Completing a hard reset restores all settings back to the default settings, including the username and password used to access the Configuration Tool.
- Any stored offline transactions are deleted.
- Any meter totalizers are not reset.
- The output current limit set using the Current Selector dial is not reset.
- To export a copy of the charging station settings before resetting the unit, see *Schneider Charge Pro Configuration Tool Guide (JPU03438)*.
- To complete a software reset, see *Schneider Charge Pro Configuration Tool Guide (JPU03438)*.

To complete a hard reset:

1. Before starting work, select and wear appropriate personal protective equipment (PPE).
2. Using a TR27 tamper-resistant bit, loosen the four screws that fix the cover to the charging station enclosure.
3. Pull the cover off the charging station and set aside face-up for later re-installation.
4. Locate the **Reset** button.

Figure 55 Location of reset button and energized conductors



1	Hard reset button
2	Energized L1 and L2 conductors

5. Using a non-metallic pin or tool, press the **Reset** button for one second.
6. The LEDs blink white once to confirm the reset is successful.
7. Reinstall the front cover using the four captive screws. Torque to 39.8 in-lb ± 4.4 in-lb (4.5 Nm ± 0.5 Nm). See "Reinstalling the Charging Station Cover" on page 51.

Recycling and Disposal

⚠ ⚠ DANGER

HAZARD OF EXPLOSION

Do not dispose of the charging station in a fire or with general waste. Always follow local guidelines for recycling and disposal.

Failure to follow these instructions will result in death or serious injury.

Electric appliances marked with the symbol shown must be professionally treated to recover, reuse, and recycle materials in order to reduce negative environmental impact. When the product is no longer usable, the consumer is legally obligated to ensure that it is collected separately under the local electronics recycling and treatment scheme.

10 Specifications

What's in This Chapter?

Specifications

Note: Specifications are subject to change without notice.

Specification	PROAC48USJ1772EVC2	PROAC48USJ3400EVC	PROAC80USJ1772EVC2	PROAC80USJ3400EVC
Electrical				
Max Power Rating	11.5 kW		19.2 kW	
Max AC Current Rating	48 A		80 A	
Derating Dial	10 A, 12 A, 16 A, 20 A, 24 A, 32 A, 40 A, 48 A (Accessible only to installers)		10 A, 12 A, 16 A, 20 A, 24 A, 32 A, 40 A, 48 A, 63 A, 80 A (Accessible only to installers)	
Input Voltage	208 VAC / 240 VAC			
Frequency (VAC IN)	60 Hz			
Wiring (VAC IN)	L1 - L2 - PE (G)			
Connector	SAE J1772 (Type 1)	SAE J3400 (NACS)	SAE J1772 (Type 1)	SAE J3400 (NACS)
General				
Mounting	Wall or Pedestal Mountable			
Dimensions (D x W x H)	5.4 x 7.2 x 16 in. (138 x 184 x 406 mm)			
Cable Length	25 ft (7.62 m)			
Weight (with cable)	18.3 lbs (8.3 kg)		21.2 lbs (9.6 kg)	
Wire Entrance Location	Bottom: 2 x 1 in.(25 mm), Back: 2 x 1 in. (25 mm), 1 x 3/4 in. (19 mm)			
Status LED	Charging Status and Network Connection			
LED Intensity Control	Adjustable brightness setting			
Operating Temperature	-22°F to +122°F (-30°C to +50°C)			
Storage Temperature	-40°F to +140°F (-40°C to +60°C)			
Altitude (without Derating)	6560 ft (2000 m)			
Operating Humidity	5% - 95% non condensing			
Enclosure	Type 4			
Impact	IK10			

Specification	PROAC48USJ1772EVC2	PROAC48USJ3400EVC	PROAC80USJ1772EVC2	PROAC80USJ3400EVC
Warranty	5-year limited parts warranty (from date of commissioning)			
Commissioning				
Preconfiguration	Preconfigured EV Connect Software+™: 24/7 commissioning available			
Connectivity				
Comms Hardware	Wi-Fi 802.11n (2.4GHz), Ethernet 10/100, 4G LTE Cellular			
RFID	NFC/RFID IEC 14443 Type A, 14443 Mifare, NFC Forum tag type 2 & 4			
Submetering Accuracy	±1%			
Communication				
Authentication methods	RFID, EV Connect web and app, AutoCharge ready, Plug & Charge via future over-the-air update			
Protocols	OCPP 1.6J; with 2.1 via future over-the-air update			
Offline Fallback Configuration	Local list support or freevend			
Regulatory				
Safety Certifications*	UL and cUL listed; UL 2594, CSA C22.2 No. 280:22, UL 2231-1 and 2231-2, UL 1998			
EMC Emission	FCC - Part 15 Subpart B (Class B), ICES-003 (Class B)			
RF (Pending)	FCC – Part 15 Subpart C; RSS-Gen, RSS-247, RSS-210, RSS-102			
FCC ID (Wi-Fi)	Contains QOQ-WFM200			
IC ID (Wi-Fi)	Contains 5123A-WFM200			
FCC ID (Cellular)	Contains RI7-LE910CXWWX			
IC ID (Cellular)	Contains 5131A-LE910CXWWX			
FCC ID (NFC)	2AODL-PROAC8048US			
IC ID (NFC)	24209-PROAC8048US			
Environmental	Energy Star, RoHS, REACH, Prop 65			
Cybersecurity				
Security Guidelines	Includes a TPM (Trusted Platform Module), Signed software updates, Developed using an IEC 62443 compliant reference framework			
Spare Parts				
Spare Cable	PROAC48J1772CBLE	PROAC48J3400CBLE	PROAC80J1772CBLE	PROAC80J3400CBLE
In Field SIM Card Swap	Yes			

Free and Open Source Software (FOSS) Declaration

This product includes the following Free and Open Source Software (FOSS) components.

Table 18 Open Source components

Open Source Component	Version	License	Licensing Information
arptables	1.8.10	GPLv2	https://www.netfilter.org/licensing.html
attr	2.5.2	GPLv2 & LGPLv2.1	https://savannah.nongnu.org/projects/attr
avahi	0.8	LGPLv2.1	https://avahi.org
busybox	1.36.1	GPLv2	https://www.busybox.net
busybox	1.35.0	GPLv2	https://www.busybox.net
dbus	1.14.10	LGPL	https://gitlab.freedesktop.org/dbus/dbus
dnsmasq	2.9	GPLv2	https://thekelleys.org.uk/dnsmasq/doc.html
e2fsprogs	1.47.1	GPLv2 & LGPLv2	https://e2fsprogs.sourceforge.net/ https://git.kernel.org/pub/scm/fs/ext2/e2fsprogs.git/tree/version.h
e2fsprogs	1.46.5	GPLv2 & LGPLv2	https://e2fsprogs.sourceforge.net/ https://git.kernel.org/pub/scm/fs/ext2/e2fsprogs.git/tree/version.h
ebtables	2.0.11	GPLv2+	https://ebtables.netfilter.org/
ethtool	6.11	GPLv2	https://git.kernel.org/pub/scm/network/ethtool/ethtool.git
eudev	3.2.14	GPLv2	https://github.com/eudev-project/eudev
glib	2.76.1	LGPLv2.1	https://docs.gtk.org/glib/
glibc	2.35	LGPLv2.1	https://www.gnu.org/software/libc/
glibc	2.37	LGPLv2	https://www.gnu.org/software/libc/
gzip	1.13	GPLv2	https://www.gnu.org/software/gzip/
iproute2	6.11.0	GPLv2	https://github.com/iproute2/iproute2
iptables	1.8.10	GPLv2	https://www.netfilter.org/licensing.html
json-glib	1;8.0	LGPLv2.1	https://gitlab.gnome.org/GNOME/json-glib/
keyutils	1.6.1	LGPL	https://git.kernel.org/pub/scm/linux/kernel/git/dhowells/keyutils.git/
kmod	29	GPLv2 & LGPLv2.1	https://git.kernel.org/pub/scm/utils/kernel/kmod/kmod.git
libaio	0.3.113	LGPL	https://pagure.io/libaio
libatomic1	12.3.1	GPLv3	https://github.com/gcc-mirror/gcc/tree/master/libatomic
libconfig	1.7.3	LGPL	https://hyperrealm.github.io/libconfig/
libdaemon	0.14	LGPL	https://0pointer.de/lennart/projects/libdaemon/
libgcrypt	1.11.0	GPLv2 & LGPLv2.1	https://gnupg.org/related_software/libgcrypt/
libgpg-error	1.5	LGPLv2.1	https://www.gnupg.org/related_software/libgpg-error/

Open Source Component	Version	License	Licensing Information
libmnl	1.0.5	LGPLv2.1	https://www.netfilter.org/projects/libmnl/index.html
libnftnl	1.2.7	GPLv2	https://www.netfilter.org/projects/libnftnl/index.html
libnl	3.9.0	LGPL	https://github.com/thom311/libnl
libnsl		LGPLv2.1	https://github.com/thkukuk/libnsl
libtool	2.4.6	GPLv2	https://www.gnu.org/software/libtool/
libxcrypt	4.4.36	LGPL	https://github.com/besser82/libxcrypt
linux_kernel	5.15.145	GPLv2	https://github.com/archlinux/linux
logrotate	3.21.0	GPLv2	https://github.com/logrotate/logrotate
lvm2	2.03.11	GPLv2 & LGPLv2.1	https://gitlab.com/lvmteam/lvm2
monit	5.34.2	AGPLv3	https://mmonit.com/monit/
squashfs-tools	4.6.1	GPLv2	https://github.com/plougher/squashfs-tools
systemd	256.5	LGPLv2.1	https://systemd.io
tar	1.35	GPLv3	https://repo.or.cz/libtar.git
tdb	1.45.6	LGPLv3	https://tdb.samba.org/
tdb	1.46.5	LGPLv3	https://tdb.samba.org/
u-boot	2021.1	GPLv2 & GPLv3	https://source.denx.de/u-boot/u-boot
util-linux	2.40.2	GPLv2	https://github.com/util-linux/util-linux
util-linux	2.40.2	GPLv2	https://github.com/util-linux/util-linux
util-linux	2.40.2	GPLv2	https://github.com/util-linux/util-linux
wireless-tools	30.pre9	GPLv2	https://hewlettpackard.github.io/wireless-tools/Tools.html

Radio Frequency Interference Notices

Federal Communications Commission (FCC)

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 help 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 the receiver.
- Connect the equipment to a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IMPORTANT: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance 8 in. (20 cm) between the radiator and your body.

Industry Canada (IC) Notices

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) This device may not cause interference, and

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Exposure

This device has been evaluated and shown compliant with the RF exposure requirements listed in RSS-102 - Radio Frequency (RF) Exposure Compliance of Radio communication Apparatus limits under fixed exposure conditions (antennas are greater than 20cm from a person’s body) when installed in certain specific OEM configurations.

Cet appareil a été évalué et montré conforme aux exigences d'exposition RF énumérées dans RSS-102 - Exposition aux fréquences radio (RF) Conformité des limites des appareils de communication radio dans des conditions d'exposition fixes (les antennes sont à plus de 20 cm du corps d'une personne) lorsqu'elles sont installées dans certains configurations OEM spécifiques.

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As standards, specifications, and designs change from time to time, please ask for confirmation of the information given in this publication.

For other country details please contact your local Schneider Electric Sales Representative or visit the Schneider Electric website at: https://www.se.com/

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