

# Orange EVSE User manual



40 & 60 Amp  
Electric Vehicle Service Equipment

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**Part numbers this**

**User Manual is intended for:**

920140, 920160, 920180

# Important Safety Information

Read this first

Please read these instructions and the charging guidelines in your vehicle owner's manual before charging your electric vehicle.

The following symbols may be found in this manual or on labels affixed to the Electric Vehicle Supply Equipment (EVSE):

- ✓ **NOTE:** Indicates important information and helpful suggestions.
- ⚠ **CAUTION:** Indicates potential risks that could cause equipment damage.
- ⚡ **WARNING:** This symbol indicates danger. You are in a situation that could cause bodily injury. Before you work on any electrical equipment, be aware of the hazards involved with electrical circuitry and standard practices for preventing accidents.

## Instructions pertaining to a risk of fire or electric shock

When using the Orange EVSE, basic electrical safety precautions should be followed:

Use this EVSE to charge electric vehicles equipped with an SAE J1772 or NACS charge port only (requires a J1772 to NACS adapter). Consult the vehicle's owner manual to determine if the vehicle is equipped with the correct charge port.

Make certain the EVSE charge cable is positioned such that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.

This product contains no user-serviceable parts. Consult the "Orange Support" section in this manual for service information. **Do not** attempt to repair or service the EVSE yourself.

Do not operate your EVSE if it or the charge cable and connector assembly is physically open, cracked, frayed, or otherwise visibly damaged. Contact a Service Representative for service immediately. Consult the “Orange Support” section in this manual for information on the Service Representative in your area.

Not for use in commercial garages where a COMMERCIAL GARAGE is defined as a facility (or portion thereof) used for the repair of internal combustion vehicles in which the area may be classified due to flammable vapors being present (such as from gasoline).

Do not place fingers inside the coupler end of the charge cable connector plug.

Do not allow children to operate this device. Adult supervision is mandatory when children are in proximity to an EVSE that is in use.

**Save these instructions for future reference.**

## Additional safety information

-  **WARNING:** Turn off power to the EVSE at the circuit breaker panel before moving, servicing, or cleaning the unit.
  
-  **WARNING:** Always turn off input power to the EVSE at the circuit breaker panel prior to plugging it into or unplugging it from a wall socket.
  
-  **NOTE: VENTILATION** Some electric vehicles require an external ventilation system to prevent the accumulation of hazardous or explosive gases when charging indoors. Consult the vehicle owner’s manual to determine if your vehicle requires ventilation during indoor charging.
  
-  **NOTE:** Vehicles that conform to the SAE J1772 standard for communication can inform the charge station that they require an exhaust fan. The EVSE is not equipped to control ventilation fans. Do not charge the vehicle with the EVSE if ventilation is required.
  
-  **CAUTION: DO NOT CHARGE** a vehicle indoors if it requires ventilation. Contact a Service Representative for information.

The Orange EVSE is a compact, wall or pedestal-mounted unit. It provides a safe and manageable connection between the power grid and Plug-in Hybrid or Battery Electric Vehicles (collectively referred to as 'Plug-In Electric Vehicles' or 'PEV'). Both hardwired and plug-in Orange EVSE versions are available.

This unit integrates seamlessly with OrangeNet-enabled products, including the Orange Outlet, creating a cohesive and intelligent EV charging ecosystem. This connectivity allows for features such as energy management, load balancing, or usage monitoring, ensuring an optimal charging experience while maximizing energy efficiency and reducing operating costs.

The Orange EVSE's compact design, coupled with its robust functionality, makes it an ideal solution for property owners and managers seeking a scalable, reliable EV charging option that meets growing demands as EV adoption increases.

## Part Numbers Covered in Manual

Orange EVSE	EVSE 40A	EVSE 60A
Power Circuit (Amps)	40	60
Part Number	920140	920160

## Circuit breaker rating / Maximum output

For maximum power output, install a standard double-pole circuit breaker as follows:

40A EVSE (PN 920140): 40-amp breaker  
 60A EVSE (PN 920160): 60-amp breaker

If the EVSE is installed outdoors, use a GFCI-rated breaker of the corresponding amperage.

**Note: Recommended wire gauge is for reference.**  
 The electrician is responsible for ensuring the correct gauge is used for the given install and building codes.

## Product Specifications

Part	920140	920160
Connector type		Hardwired
Voltage (Voltage AC)	208/240 VAC (L-L), single-phase/185 VAC — 264 VAC	
Frequency (Hz)	50 to 60Hz	
Circuit Breaker (A)	40	60
Continuous Current (A)	32	48
Over Voltage (Voltage AC)	5000 RMS Symmetrical Amps at 240 VAC	
Ground Fault Detection	Ground fault protection integral, CCID 20 mA, auto reset	
Dimensions	500 x 226 x 135 mm (19.7 x 8.9 x 5.3 in) (LxWxH)	
Codes and Standards	NEC Article 625, SAE J1772, UL, NOM	
Temperature Range	-22°F to 122°F (-30°C to 50°C)/-40°F to 176°F (-40°C to 80°C)	
Environment/Enclosure rating	Indoor/Outdoor rated/NEMA4-watertight	
Plastic	Injection Molded	
Max Wattage (kW)	9.6	14.4
Input Wire Gauge (AWG / mm <sup>2</sup> )	8	6
Connectivity	OrangeNet (Cellular, WiFi, BLE)	
Agency Approvals	UL 2594, UL 2251, UL 2231-1, UL 2231-2, UL 1998, UL 991 C22.2 No. 280-13, CSA C22.2 No. 282, CSA C22.2 No. 281.1, CSA C22.2 No. 281.2, CSA C22.2 No. 0.8 NOM-001-SCFI-2018	
Warranty	3 Year Manufacturing	

## Orange OS Platform

The Orange OS Platform is the software platform provided by Orange Charger that enables you to manage basic charger access controls, energy rates, and payment transactions. To use an Orange Charger (Outlet or EVSE), it must be registered into the Orange OS Platform. To do this, the owner/operator (Organization) of the Orange Products will need to contact Orange Charger at [support@orangecharger.com](mailto:support@orangecharger.com) to request the creation of their account. The Orange OS Platform is governed by the Orange Terms of Service available on [orangecharger.com](https://orangecharger.com)

## OrangeNet and Connectivity

Orange Chargers are designed to work independently of a building's networking infrastructure such as the WiFi network. OrangeNet is the proprietary networking hardware and software technology built into every Orange Charger. This networking stack is built using custom designed LTE, WiFi and BLE along with Orange's proprietary software.

OrangeNet is optimized so that as long as at least one Orange device has a minimum amount of LTE connectivity, it will automatically create a self-healing mesh network with the other Orange devices that are within a reasonable range (typically 100ft within an unobstructed parking garage). This enables all chargers to have connectivity to transmit charging data, update to access control, energy rates, and perform firmware updates.

OrangeNet is robust and designed where after commissioning, even if network connectivity goes down for a period of time, as long as a driver has downloaded the Orange Charger mobile app and set up their account, they would be able to start or stop a charging session. This ensures that drivers are always able to charge and do not need to have connectivity on their own phone like standard OCPP chargers.

## Low Connectivity Environments

While OrangeNet is designed to work with minimal connectivity, for optimal system performance, there might be situations where either additional Orange Chargers would be recommended to be placed, or the use of one or multiple OrangeNet Extender/s might be required in order to have the minimum network connectivity level to have near-real time data communications and enable Over The Air (OTA) firmware updates. OrangeNet Extenders are independent of the building's network and simply need to be mounted in a location that has a minimum connectivity performance level and can be line powered. Typically this is near the entrance to parking garages.

## Commissioning

Orange Chargers typically commission themselves automatically as long as there is a connection path directly via LTE, or via the OrangeNet mesh network. In certain circumstances, the Orange Charger mobile application might be needed to commission the Charger if no network connection is available (coming soon).

## Firmware Updates

Firmware updates will be automatically applied to Orange Chargers to continuously improve the product and user experience. Orange Chargers require an active OrangeNet connection in order to update firmware, if a Charger is not able to connect to the Orange cloud, please contact Orange support at [support@orangecharger.com](mailto:support@orangecharger.com) for assistance with diagnosing any connectivity challenges.

## Power Outages

If there is a power outage while an Orange Charger is charging a vehicle, charging should automatically resume within 1 to 3 minutes after power restoration. If the charging session does not automatically resume, it will require the user to go to the Charger and restart the charging session.

## Using Orange Chargers

To use an Orange EVSE, it must be commissioned to the Orange OS Platform. Once the EVSE is commissioned, a driver will need to download the Orange Charger mobile application from the iOS or Android app stores. Once a driver has created and logged into their Orange Charger account on the mobile application, they can follow the instructions to scan the QR code on the EVSE to start or stop charging sessions.

If an adapter or mobile connector is needed by a driver, please visit:

[orangecharger.com/solutions/roles/drivers](https://orangecharger.com/solutions/roles/drivers)

or contact:

[support@orangecharger.com](mailto:support@orangecharger.com)

## Operation

### Starting a charging session

To use the Orange EVSE, first use the Orange Charger mobile application that is downloaded and set up from the iOS or Android app store on your mobile phone. Please note you need to have created or signed into your account. Within the Orange Charger mobile app, click 'Scan QR Code' and point the camera to the QR code of the Orange EVSE. Once you have scanned the QR code of the charger, you will be able to see the price of electricity based on the rate plan that the property has set for the charger. Once you click start a charge session, you can simply unwrap the charge cable and plug the SAE J1772 connector firmly into the vehicle's charge port, or use an approved J1772 to NACS adapter.

Unless you have set the vehicle to begin charging at a later time, it will immediately request a charge using a special communication line in the cable. Within a few seconds, the Green "Charging" light on the face of the Orange EVSE will turn on, and the charging cycle will begin.

When the vehicle has stopped charging, the Green "Charging" light on the Orange EVSE will turn off, but the Orange session will remain active for up to 48-hours in case your car needs to top off its charging level. To end the session, press and hold down the latch release lever on the connector handle, then unplug the connector from the vehicle charge port. Then within the Orange Charger mobile app, swipe or click 'End Session' to end the charging session.

## Front panel LED indications

The front panel on the Orange EVSE has four indicator lights, as shown in Figure 1.

**Power (Amber)** indicates that power is available on the EVSE.

**Charging (Green)** indicates that the vehicle is requesting a charge and AC power is currently applied to the vehicle.

**Power Fault (Red)** indicates that the EVSE is not wired correctly. The problem can be due to improper grounding or a missing Earth Ground. The wiring should be examined by a qualified electrician.

**Charging Fault (Red)** indicates that the EVSE is unable to communicate with the vehicle correctly or a safety fault condition has been detected by the unit.

Figure 1: Orange EVSE front panel



Table 1: Front panel LED information

	Amber Power LED	Green Charging	Red Power	Red Charging	Fault Condition
1	OFF	OFF	OFF	OFF	No power to EVSE Check circuit breaker
2	ON	OFF	OFF	OFF	Not plugged into the EV, or the EV is not ready to charge
3	ON	ON	OFF	OFF	Charging enabled, power is applied to the vehicle
4	ON	OFF	ON - NOT BLINKING	OFF	Improper grounding or ground is not present
5	ON	OFF	OFF	ON - NOT BLINKING	Problem with EV communications
6	ON	OFF	OFF	BLINKING	EV ground fault trip Check vehicle connection
7	ON	OFF	BLINKING	BLINKING	Internal EVSE fault Call for service

## Charging cable wrap guidelines

The Orange EVSE enclosure body is sculpted to allow the charging cable to be wrapped around it for convenient storage as well as to keep the bulk of the cable off of the ground and out of the way. As the charge cable is composed of a number of wires, coiling the charge cable too tightly around the enclosure will result in the charge cable feeling warmer to the touch than would ordinarily be the case.

To minimize this effect, it is recommended that the charge cable be loosely draped around the enclosure body with larger loops. This will also permit greater convenience in “pulling off” additional loops if a longer charge cable reach is desired.

## Installation: Service connections

**⚠ CAUTION:** To reduce the risk of fire, connect only to a circuit provided with the appropriate maximum branch circuit overcurrent protection in accordance with the National Electrical Code, ANSI/NFPA 70 (US), or the Canadian Electrical Code C22.1 (Canada).



**Figure 2:** Drape the charging cable loosely around the enclosure

**Table 2:** Service connections for Orange EVSE by model (J1772)

Product	Voltage	Breaker Amps	Operating Amperage	Nameplate Power (kW)	Power Output (kW)	PowerShare Minimum (kW)
Orange 40A EVSE	208 /240	2P 40A	32	9.6	7.7	3.3
Orange 60A EVSE	208 /240	2P 60A	48	14.4	11.5	3.3

## Charging cable wrap guidelines (cont.)

-  **CAUTION:** This is a single-phase device. Do not connect all three phases of a three-phase feed! You may use any two phases of a three-phase wye-transformer feed. The center point of the three phases (usually used as Neutral) must be grounded somewhere in the system. A Neutral connection is not required by the EVSE. Only Line 1, Line 2, and Ground are required, as shown in Figure 3.
-  **CAUTION:** The two phases used must each measure 120 V to Neutral. Earth Ground must be connected to Neutral at only one point, usually at the service entry breaker panel.
-  **CAUTION:** If a 240 V three-phase feed is from a Delta-connected secondary, the leg used must have a center-tap. That tap must be Grounded. Only the two phases on either side of the center-tapped leg can be used. See Figure 4.
-  **CAUTION:** Warranty is void if this unit is not wired properly.
-  **WARNING:** Only a qualified electrician should perform the installation. The installation must be performed in accordance with all local electrical codes and ordinances.

Only three wires are connected, but care must be taken that the service transformer secondary connection is definitely known, and the three wires from the main circuit breaker panel are connected and labeled correctly. Figures 2, 3, and 4 show the most common service transformer secondary wiring formats.

Notice that L1, L2, and Ground are labeled on each diagram. Those transformer outputs correspond to the same inputs on the Orange EVSE. Also, each of the two three-phase diagrams shows an L3 output, which is not used. Do not connect all three phases of a three-phase secondary to the EVSE. This is a single-phase device.

The Neutral at the service panel must be connected to Earth Ground somewhere in the system on any of the three connection arrangements. Ground-fault protection is not possible unless the Neutral (center-tap on the service transformer) is connected to an Earth Ground. If no Ground is provided by the electrical service, a grounding stake must be driven into the Ground nearby, following local electrical codes. The grounding stake must be connected to the ground bar in the main breaker panel and Neutral connected to the Ground at that point.

-  **WARNING:** Local electrical codes must always be followed when installing the grounding stake.

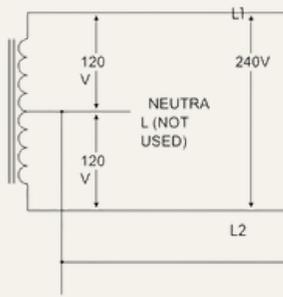


Figure 3: 220 V/240 V single phase

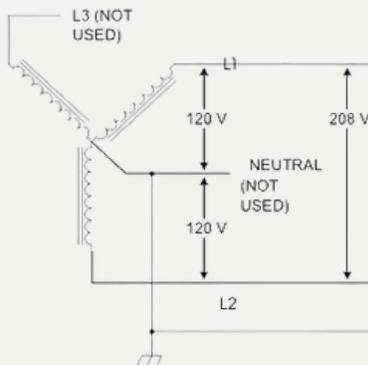


Figure 4: 208 V three-phase, wye-connected

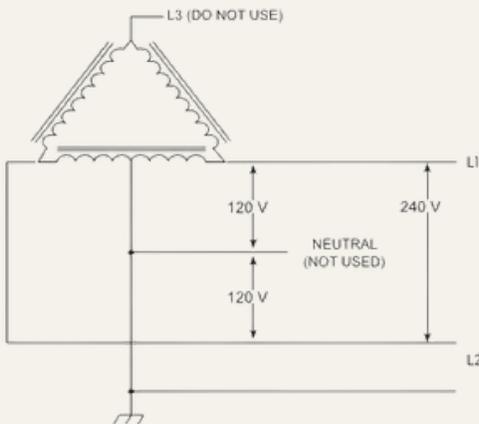


Figure 5: 240 V three-phase, delta-connected, with center-tap on one leg

These diagrams illustrate the three service transformer secondary connections most common in North America.

✓ NOTE: With a wye-connected secondary, any two of the legs can be used to provide 208 V to the Orange EVSE. For example, L1 & L2, or L1 & L3, or L2 & L3. Leave the unused leg open. Do not connect it to a Neutral bar or to Ground. Be sure the center point is grounded to Earth somewhere in the system.

⚠ CAUTION: With the delta connection, one leg must be center-tapped. Only the two phases on either side of the center tap can be used. The two phases must both measure 120 V to Neutral. The third line (L3) of the delta is 208 V, with respect to Neutral, and is sometimes referred to as a “stinger”. Do not use this third line! Consult the transformer manufacturer’s literature to be sure the single leg can supply the required power.

⚠ CAUTION: A three-phase delta-connected transformer secondary without a center-tap on one leg cannot be used with the EVSE. No “Neutral” point is available to be connected to the ground for ground-fault protection. The EVSE will not allow the contactor to close if it does not sense the presence of a Ground wire connected to a “Neutral” point on the transformer secondary.

## Wiring instructions

Route the Orange EVSE conduit to a nearby junction box. Use the included  $\frac{1}{2}$ " trade size watertight conduit fitting and sealing washer to provide a moisture-resistant seal between the conduit fitting and the junction box. If necessary, drill a  $\frac{3}{8}$ " diameter hole to accommodate the conduit fitting. For outdoor installations, ensure the junction box is fully sealed using appropriate electrical grade silicone sealant.

Before connecting the service conductors, please carefully read the section of this manual titled Installation - Service connections. If unsure of the type of power provided at the service panel, please consult with the local utility or call a Service Representative for assistance.

The three supplied Orange EVSE-40 service conductors use stranded 10 AWG 90°C copper wire.

The three supplied Orange EVSE-60 service conductors use stranded 8 AWG, 90°C copper wire. The insulation of each conductor is color-coded for standard 240 VAC installation: **Green:** Ground **Black:** Line 1 (120 VAC to Ground) **Red:** Line 2 (120 VAC to Ground)

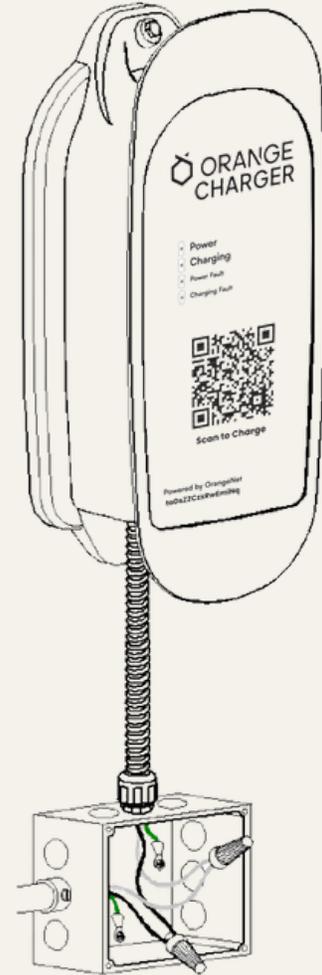


Figure 6: Wiring the EVSE in a junction box

## Grounding instructions

This product must be grounded. If this product should malfunction, grounding provides a path of least resistance for electric current to reduce the risk of electric shock.

## Hardwired EVSE grounding

The hardwired Orange EVSE is equipped with three service conductors shielded by three feet of flexible conduit. 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 ground lead on the product.

 **WARNING:** Improper connection of the equipment grounding conductor may result in a risk of electric shock. Check with a qualified electrician if doubt exists as to whether the product is properly grounded. Do not modify the plug provided with the product — if it does not fit the outlet, have a proper outlet installed by a qualified electrician.

## Mounting procedures

Determine the wall mounting position of the EVSE:

On the hardwired Orange EVSE, the three service conductors are shielded by 3 ft (1 m) of flexible conduit at the bottom of the unit. The EVSE must be positioned such that this conduit can reach a nearby junction box.

Position the bottom of the EVSE at a comfortable height and at least 18" (45.7 cm) above the ground for indoor installations and 24" (61 cm) off the ground for outdoor installations. Ensure that the LEDs on the front panel of the EVSE can clearly be seen by the user of the device. Review any applicable code requirements, including ADA.

The Orange EVSE has two vertically aligned mounting holes, one each on the enclosure's top and bottom, spaced 17" (43.2 cm) apart. Use a ruler or template to mark hole locations on the mounting surface.

 **WARNING:** For safety, always turn off input power to the EVSE at the circuit breaker panel prior to plugging it in or wiring it to the service lines. Like wise, turn off the circuit breaker prior to unplugging it or disconnecting the unit from the service lines.

## EVSE mounting for hollow-wall construction

Place the unit such that both mounting holes can take advantage of solid structural framing inside of the wall or a strong wall surface such as plywood.

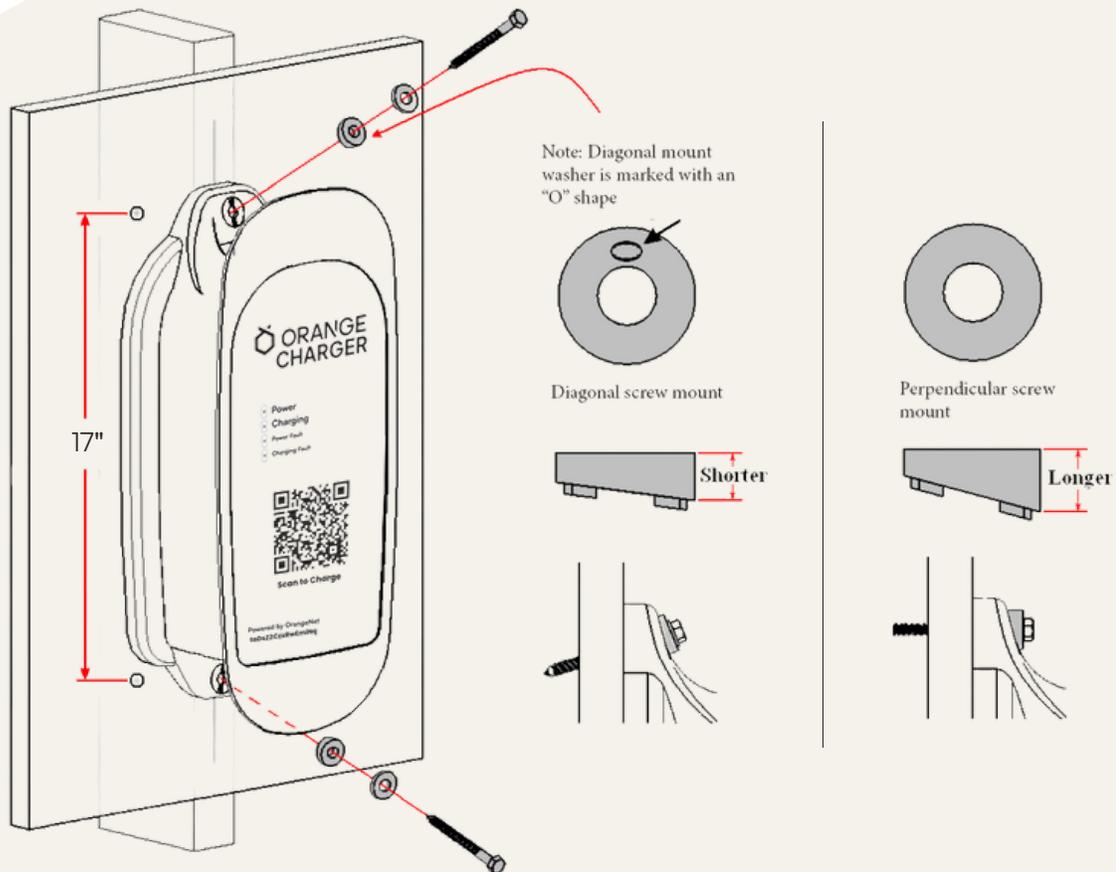
Size ¼" - 20 lag screws are recommended for mounting the EVSE to a wooden structure. Pre-drill appropriately sized pilot holes to allow the lag screw to grip the wooden structure while preventing the wood from cracking or splintering while the screw is fastened.

The included plastic angle washers can be oriented to allow the lag screws to be fastened at an angle while still providing a solid flat backing to the screw head.

If the screw head is smaller than the ⅜" (1 cm) washer aperture, an additional flat washer will need to be placed between the plastic angle washer and the head of the lag screw.

If either mounting hole does not have a solid mounting structure (such as drywall without a solid backing). It will be necessary to use proper anchoring hardware, such as drywall toggles or molly bolts.

Figure 9: Mounting the EVSE to a hollow wall



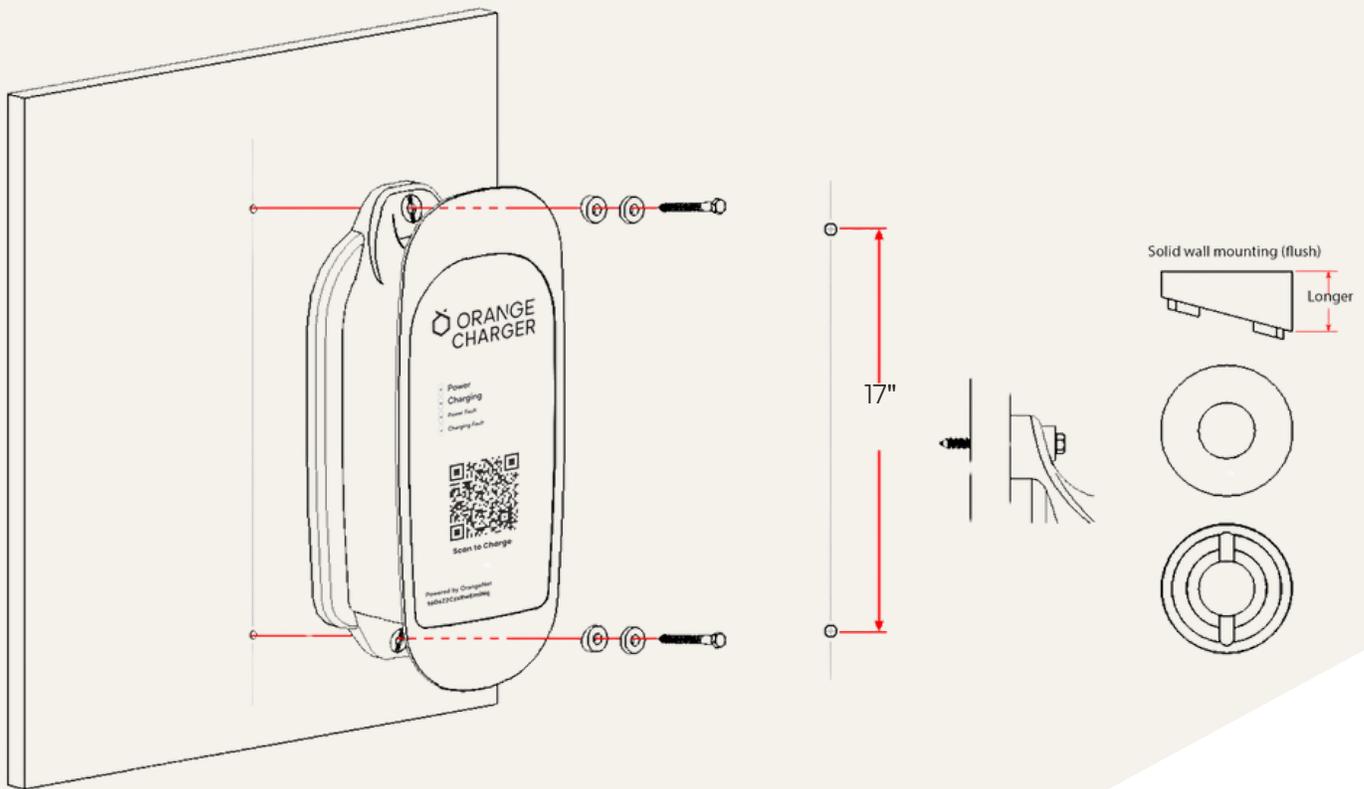


Figure 10: Mounting the EVSE to a solid wall

## EVSE mounting for solid-wall construction

To secure the unit in concrete, pre-drill appropriately sized holes and use multi-set or wedge anchor hardware at both mounting points.

To secure the unit in brick or stone, pre-drill appropriately sized holes and use sleeve anchors at both mounting points.

The included plastic angle washers can be oriented to allow bolts to be fastened either at an angle or perpendicular to the mounting surface.

✓ NOTE: There are two different sets of plastic angle washers included. Select those washers that best accommodate the mounting hardware “angle of attack” and orient them accordingly.

✓ NOTE: If the head of the mounting hardware is smaller than the  $\frac{3}{8}$ " (1 cm) plastic angle washer aperture, an additional flat washer will need to be placed between the plastic angle washer and the mounting hardware.

Machine screw size  $\frac{1}{4}$ " - 20 hardware is recommended for mounting the EVSE. Screw shafts of at least 2" (5.1 cm) are recommended. The EVSE plastic angle washer hole size is  $\frac{3}{8}$ " (1 cm) in diameter. Ensure the screw heads are of a larger diameter. Place appropriately sized washers between the screw heads and the Orange EVSE enclosure mounting flanges.

## Mounting the connector holster (J1772)

A connector holster is included with your shipment (J1772) to provide a convenient protective housing for the connector head when it is not in use.

The connector holster should be installed in a location so that users have easy and safe access to the connector.

For indoor installation, mount the connector holster between 18" (45.7 cm) and 48" (122 cm) above the ground or grade.

For outdoor installation, mount the connector holster between 24" (61 cm) and 48" (122 cm) above the ground or grade.

The connector holster has two vertically aligned mounting holes spaced 5.45" (13.8 cm) apart, one each on the enclosure top and bottom. Use a ruler or template to mark hole locations on the mounting surface.

Place the Wall Anchor on the three holes.

The vertical alignment of the Orange EVSE and connector holster mounting holes allows for the convenient mounting of both components onto the same post or wall structure. For example, the holster may be mounted directly above the EVSE.

Place the connector holster such that both mounting holes can take advantage of solid structural framing inside of the wall or a strong wall surface such as plywood.

A set of exterior wood screws and stainless steel washers are included for the purpose of mounting the connector holster to a wooden surface.

For mounting to a solid surface such as concrete, brick, or stone, alternate hardware may need to be procured. Examples of solid-wall mounting hardware include multi-sets, wedge anchors, and sleeve anchors. Use the type of mounting hardware most appropriate for the supporting structure.

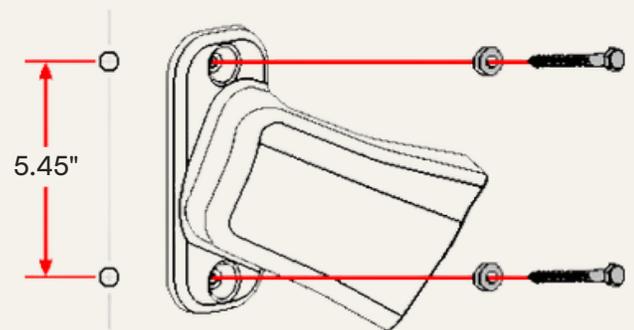
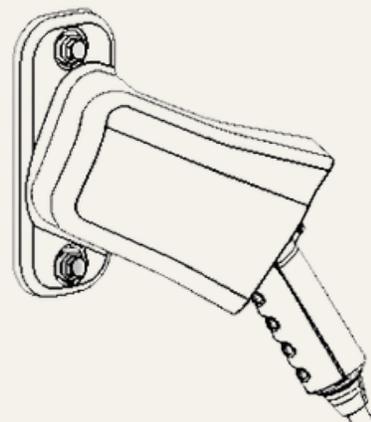


Figure 11: Mounting the SAE J1772 connector holster using the exterior wood screws and washers



## Moving and storage instructions

- ✓ NOTE: The Orange EVSE models are intended for fixed installations. For mounting requirements, consult the “Mounting procedures” section of the “Installation instructions” in this manual.

Always turn off input power to the EVSE at the circuit breaker panel prior to hard-wiring or disconnecting from the service lines.

When transporting the EVSE, do not lift or carry the entire unit by the charge cable. Likewise, do not lift or carry the entire unit by the flexible conduit.

The EVSE has a non-operational storage temperature range of -40°C to 80°C (-40°F to 176°F).

## Mounting procedures

The EVSE requires no periodic maintenance other than occasional cleaning.

- ⚠ WARNING: To reduce the risk of electrical shock or equipment damage, exercise caution while cleaning the EVSE and the EV charge connector cable.

Turn off the EVSE at the circuit breaker, lock-out, tag-out.

Clean the EVSE using a soft cloth lightly moistened with a mild detergent solution. Never use any type of abrasive pad, scouring powder, or flammable solvents such as alcohol or benzene.

## Orange Device Limited Warranty

This Orange Device Limited Warranty (“Warranty”) sets forth the warranty terms applicable to outlets, EVSEs and/or other devices (“Orange Devices” or “Orange Device”) manufactured and sold by Orange Charger Inc. (“Orange”) that are designed to be installed and used at authorized EV charging locations and to connect to and interact with the web-based software platform provided by Orange (the “Orange OS”).

COVERAGE UNDER THIS WARRANTY IS LIMITED TO THE OWNER OF THE ORANGE DEVICE (“OWNER”) AND ONLY WHERE THE ORANGE DEVICE HAS BEEN INSTALLED AT AN EV CHARGING LOCATION AUTHORIZED BY ORANGE THAT IS OWNED OR OPERATED BY THE OWNER (“AUTHORIZED LOCATION”). THIS WARRANTY IS ONLY VALID FOR THE FIRST PURCHASE OF AN ORANGE DEVICES IN THE UNITED STATES FROM ORANGE OR A RESELLER AUTHORIZED BY ORANGE.

COVERAGE UNDER THIS WARRANTY FOR AN ORANGE DEVICE BEGINS ON THE EARLIER OF (A) THIRTY DAYS AFTER SHIPMENT OR (B) THE DATE WHEN THE ORANGE DEVICE IS FIRST INSTALLED AT AN AUTHORIZED LOCATION AND ACTIVATED FOR USE WITH THE ORANGE OS (THE “WARRANTY START DATE”).

Limited Warranty. Subject to the exclusions and limitations described below, Orange warrants to the Owner of an Orange Device that the Orange Device, when installed and used at an Authorized Location and used normally and in accordance with the user documentation for the Orange Device published and made available by Orange (“Documentation”), will be substantially free from defects in materials and workmanship for a period of 36 months from the Warranty Start Date (the “Warranty Period”). If an Orange Device is returned to Orange during the Warranty Period in accordance with the terms and conditions of this Warranty, and Orange determines that the Orange Device is eligible for and covered by the Warranty, then Orange will either (i) repair the Orange Device; (ii) replace the returned Orange Device or (iii) refund the original purchase price in return for the Orange Device, at Orange’s sole discretion. Repairs may be made with reconditioned or remanufactured parts and Orange Device units may be replaced with refurbished units. Additionally, if the

Orange Device or a component incorporated within it is discontinued, end-of-life, out of stock or otherwise unavailable, Orange may, at its sole discretion, replace the Orange Device or component with a similar product or component. Repaired or replaced Orange Devices are covered under this Warranty only until the end of the Warranty Period for the originally purchased Orange Device. Under no circumstances will the original Warranty Period be extended as a result of an Orange Outlet being repaired or replaced under this Warranty. The remedies set forth in this section are Owner's sole and exclusive remedies for breach of this Warranty.

Exclusions. This Warranty does not cover any defect, damage or malfunction directly or indirectly caused by, due to, or resulting from:

- normal wear and tear (including, without limitation, general appearance or damage to paint, including chips, scratches, dents, and cracks);
- accidents, abuse, negligence, or misuse;
- lack of or improper or unauthorized installation, testing, repair or maintenance;
- improper storage or transportation;
- failure to follow Documentation;
- use other than the permitted or intended use of the Orange Device, such as use at a location or than an Authorized Location or other than in accordance with its Documentation;
- modification or alteration of the Orange Device or any component other than by Orange or an authorized representative of Orange;
- any technology, equipment, hardware, software, or materials other than the Orange Device, such as faulty or damaged electrical wiring or connections, external electrical faults, junction boxes, circuit breakers, receptacles or other power outlets;
- acts of God and other forces beyond Orange's reasonable control, such as internet or power outages, wars, riots, terrorism, labor disputes, fires, earthquakes, floods, extreme environmental conditions or other events of "force majeure";
- failure to contact Orange upon discovery of a defect covered by this Warranty;
- any other cause other than a defect in materials or workmanship.

Return Process. Orange Devices must be returned during the applicable Warranty Period and in accordance with Orange's standard RMA procedures, and warranty claims will be processed in accordance with those procedures. Please contact support@orangecharger.com for the RMA procedures. The Owner will be responsible for all shipping costs for Orange Devices that are returned and determined by Orange to be ineligible or not covered by this Warranty. Orange Repairs. This Warranty may be voided, or coverage may be excluded, if any maintenance, service, or repairs for the Orange Device is performed by a party other than Orange or an authorized party acting on Orange's behalf during the Warranty Period.

Ownership. When an Orange Device is replaced [JM1] [BS2] or a refund is given, the Orange Device that is replaced or for which they refund is given must be returned to Orange and become Orange's property. Any replacement for an Orange Device provided under this Warranty becomes the property of the Owner.

Disclaimer of Warranties. EXCEPT AS EXPRESSLY SET FORTH IN THIS WARRANTY AND EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ORANGE DISCLAIMS AND EXCLUDES ALL REPRESENTATIONS, WARRANTIES AND CONDITIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES IMPLIED BY ANY COURSE OF PERFORMANCE, USAGE OF TRADE, OR COURSE OF DEALING.

Limits of Liability. TO THE MAXIMUM EXTENT PERMITTED UNDER APPLICABLE LAW, ORANGE WILL NOT BE LIABLE UNDER ANY LEGAL OR EQUITABLE THEORY IN CONNECTION WITH THIS WARRANTY FOR ANY SPECIAL, INDIRECT, INCIDENTAL, PUNITIVE, EXEMPLARY OR CONSEQUENTIAL DAMAGES OF ANY KIND WHATSOEVER.

TO THE MAXIMUM EXTENT PERMITTED UNDER APPLICABLE LAW, ORANGE'S AGGREGATE LIABILITY ARISING OUT OF OR RELATED TO THIS WARRANTY WILL NOT EXCEED THE ORIGINAL PURCHASE PRICE OF THE ORANGE DEVICE.

THE EXCLUSIONS AND LIMITATIONS OF THIS SECTION APPLY EVEN IF ANY REMEDY FAILS OF ITS ESSENTIAL PURPOSE.



Orange, Inc.  
3495 Edison Way  
Menlo Park, CA 94025

[orangecharger.com](https://www.orangecharger.com)

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