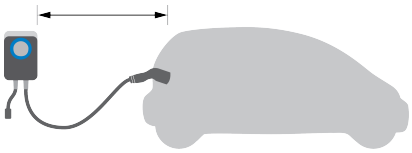
ChargePoint® Home Flex

16A-50A Flexible Amperage Charger

Electrician's Pre-Installation Tips

Before beginning work, check the site for appropriate mounting location and electrical capacity.

1. Ensure the homeowner has chosen an installation location that allows the charging cable to reach the car's charging port while still providing slack. Ensure there is a stud available at the desired location for mounting the charging station. Ensure there is WiFi signal available.



   Note: Outdoor installation is an option, but requires an outdoor-rated, weather-resistant electrical outlet or hardwired installation.

2. Determine the desired charging amperage with the homeowner. Home Flex can be installed at a variety of amperages. Choose based on the availability of space or electrical capacity in the panel, the desired speed of charging, and whether the homeowner prefers a hardwired or plug-in installation.

CAUTION: Home Flex is a continuous load device. The circuit must be rated for 125% of the maximum load.

Circuit Rating	Max Load	Estimated Range per Hour	Plug-in	Hardwire
50 A	40 A	30 miles/48 km	yes	yes
40 A	32 A	25 miles/40 km	yes	yes
30 A	24 A	18 miles/29 km	no	yes
20 A	16 A	12 miles/19 km	no	yes

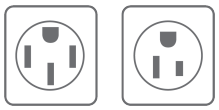
Important: In Canada, a plug-in installation is only allowed with a 50 amp circuit.

Home Flex can also be wired for higher amperages. Consult all applicable codes for breaker and wire sizing requirements. The field-wiring terminal is rated to 105˚C and accepts a maximum of 16 mm^2 (6 AWG) wire.

Circuit Rating	Max Load	Estimated Range per Hour	Plug-in	Hardwire
80 A	50 A	37 miles/60 km	no	yes
70 A	50 A	37 miles/60 km	no	yes
60 A	48 A	36 miles/58 km	no	yes

CAUTION: In areas with frequent thunderstorms, add surge protection at the service panel for all circuits. Ensure all power and ground connections, especially those at the breaker and bus bar, are clean and tight. Remove all oxide from all conductors and terminals before connecting wiring.

3. Determine the plug type purchased by the homeowner. It is either a NEMA 6-50 or 14-50 type plug.

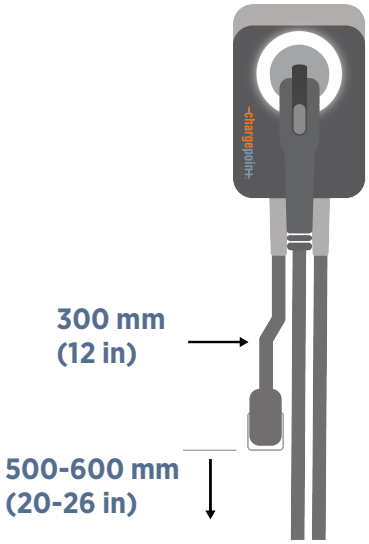


4. Determine if the desired circuit rating requires a hardwired circuit.
5. Ensure the electrical panel supports a 240 V dedicated circuit with a new, dedicated, non-GFCI two-pole circuit breaker, in accordance with local codes and ordinances.

   Note: If local codes require a GFCI breaker for plug-in installation, ChargePoint recommends a hardwire installation. We do not recommend using a GFCI breaker as the Home Flex has charging circuit interrupting device (CCID) protection. Using a GFCI breaker in the panel can cause nuisance tripping.

6. For plug-in installations, the NEMA outlet should be located 500-660 mm (20-26 in) from the ground adjacent to the stud where the charging station will be mounted.

   Note: The input power cable is 300 mm (12 in) long (as per the National Electric Code for EV chargers). Ensure the outlet is installed close enough to the stud for the input power cable to plug in.



7. Follow all applicable codes and ordinances and pull a permit for completing the electrical work as required.

Refer to the full Installation Guide and mounting template for additional information. The Installation Guide is available in the box and online at chargepoint.com/guides.

Questions?

Call U.S. and Canada toll-free +1-888-758-4389 or submit a support request at https://www.chargepoint.com/support/. Assistance is available 24 hours a day.

For additional ChargePoint Home Flex installation guidance, visit chargepoint.com/homeinstall.