



QUICK 220[®]

Electric Vehicle supplement

QUICK 220[®] is a safety tested and certified device built to UL safety specifications. QUICK 220 is designed to use two separate 120 volt outlets and combine them to make 208 to 240 volts, effectively doubling the charge rate of an Electric Vehicle (EV) portable charge cable that would otherwise only have 120 volts available (see restrictions below).

Every house or business in North America that was built in the last half century is supplied with “split phase” 120 volt / 240 volt service, or three phase 120 volt / 208 volt electrical power. They are ALL candidates for QUICK 220.

The 120 volt household receptacles / outlets (NEMA 5-15R or 5-20R) with “GFCI” will not work with Quick 220. Those outlets are usually located outdoors, or at locations that have water present, like pools, bathrooms and kitchens. It’s easy to identify GFCI outlets, since they usually have a TEST and RESET button. It may have a small green or red light to let you know that the GFCI is working, or has tripped.

The easiest way to identify which two of the separate 120 volt outlets to use with QUICK 220 is to look at the circuit breaker box feeding the home or business. Pick one 120 volt outlet powered by the left side of the circuit breaker box, and one 120 volt outlet powered by the right side. Those will be on different “phases” and will be able to provide 208 or 240 volts when combined together with your QUICK 220.

You can also use QUICK 220 with 120 volt outlets that have wither a 15 amp (NEMA 5-15R) or 20 amp circuit (NEMA 5-20R). It is safe to use QUICK 220 at up to 16 amps for Electric Vehicle charging (80% of the units 20 amp inside components). Finally, QUICK 220 can be plugged into RV or trailer park plugs with “30 amp service” (TT-30). Both TT-30 and NEMA 5-20 receptacles will require an adaptor (available from Camping World for TT-30, and Home Depot, Lowes or any electric supply store for the 5-20).

Do NOT use an extension cord designed for 120 volts between the QUICK 220’s NEMA 6-15R receptacle / outlet that has 208-240 volts, and the Electric Vehicle portable charge cable’s plug. Instead, if you need extension cords, use them between the building’s 120 volt NEMA 5-15R receptacle / outlet. Each of the QUICK 220’s NEMA 5-15 plugs on each of its 6 feet long attached cables. We recommend 10 or 12 gauge (AWG) wire in the commercial grade extension cables. Using a light duty extension cable can result in a spectacular failure, fire, electrocution, personal injury, property damage, or death. **JUST SAY NO TO LOW PERFORMANCE CABLES!**



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If you need more length between the portable charging cable and the car to be charged, use a proper Electric Vehicle extension cable. For all Tesla cars (except 2008-2011 Roadster) sold originally in North America and Japan, use ELONG™ (available late 2019): <https://qccharge.com/products/tesla-elong> For all other Electric Vehicles originally delivered in North America and Japan, use JLONG™: <https://qccharge.com/products/jlong>

QUICK 220 should be plugged into a dedicated 120 volt receptacle / outlets. Do not use an outlet combined with any outlets used by your refrigerator, freezer, air conditioner, washing machine, dryer, or other significant electrical load.

Doing so could overload the electric circuit, and “pop” or “trip” the circuit breaker. Anything plugged into a “popped” circuit will stop working. The physical outlets may be “strung together” on a common circuit breaker. An Electric Vehicle charging at the same time that a freezer cycles on could overload that circuit (and cause the freezer to become unpowered and the car to stop charging).

You may not know if your refrigerator or freezer is on that circuit, but it’s easy to test if you have access to the breaker box. Just turn off the circuit breaker that powers any 120 volt outlet you wish to use. Check to see if the power is also off at the appliance in question. You may need the test light for this (supplied with Quick 220).

- *Use only a dedicated 120 volt NEMA 5-15R, NEMA 5-20R, or TT-30 receptacle / outlet (not a circuit combined with refrigerators, freezers, air conditioners, etc). An adaptor is required for 5-20 and TT-30.*
- *QUICK 220 will not work with GFCI outlets, identified with a TEST / RESET button on them*
- *Do **NOT** use a 120 volt extension cord between QUICK 220 and the Electric Vehicle portable charge cable. Use ELONG for Tesla vehicles, and JLONG for all others.*
- *Use ELONG™ or JLONG™ to extend the length of the charge cable, available from www.QCcharge.com*
- *It’s OK to use a 10 or 12 AWG (wire size “gauge”) commercial grade 120 volt extension cord between the 120 volt outlet and QUICK 220. The lower the wire gauge number, the larger and safer the wire will be for this use. 10-12 AWG is STRONGLY recommended.*
- *You may need an adaptor between the QUICK 220’s NEMA 6-15R outlet and SPECIFIC QUALIFYING portable charge cables listed on the next page (available at QCcharge.com).*



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QUICK 220 ADAPTER for SPECIFIC ELECTRIC VEHICLE PORTABLE CHARGE CABLES

You will need an adaptor in order to physically use QUICK 220 for the **specific qualifying** Electric Vehicle (EV) portable charge cables listed below. DO **NOT** use the QUICK 220 Adaptor with any other device EXCEPT the following Electric Vehicle portable charge cables that were original equipment in the following vehicles and that have a NEMA 5-15 plug for normal 120 volt household receptacles / outlets in North America. **Failure to properly use this adaptor could result in fire, electrocution, personal injury, property damage or death.**

Use the QUICK 220 Adapter with the following ONLY:

1) **Tesla**, for all years and all cars originally delivered in North America, except 2008-2011 Tesla Roadster. There are two “UMC” Mobile Connectors:

GEN1 - 40 amp capable, June 2012 until October 2017

GEN2 - 32 amp capable, October 2017 until present. You can use this adaptor, or just buy the NEMA 6-15 plug from Tesla directly (not supplied with your car purchase)

2) **Fiat 500e**, for all years of cars originally sold new in North America

3) **Chevrolet Volt**, for 2016 - 2019 ONLY, for cars originally sold new in North America

4) **Chevrolet Bolt EV**, for all years of cars originally sold new in North America

5) **Chrysler Pacifica** Plug-In HYBRID, for all years of cars originally sold new in North America

Failure to properly use the QUICK 220 Adaptor could result in fire, electrocution, personal injury, property damage or death.

Thank you for trusting QC Charge for your Electric Vehicle needs. Visit us at QCcharge.com or email sales@QCcharge.com. Call anytime, Monday through Friday (except national holidays), 9 am to 5 pm Pacific Time +1-760-798-0342, or +1-844-EV-PARTS (844-387-2787)