



SPLITVOLT L2 Portable Fast EV Charger User Guide

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L2 Portable Fast EV Charger



Models: CGB J1-016/CGB J2-016/CGB J3-016

The Splitvolt Level 2 Portable EV Charger can charge any electric vehicle (EV) that is equipped with a standard SAE J1772 interface. This includes the vast majority of EVs sold in North America. The charger can also charge any Tesla EV using the adapter that Tesla supplies with their vehicle.

- The CGB J1-016 and CGB J2-016 models (with 24-amp capacity) provide the fastest possible safe charging rate from common household 30-amp dryer circuits.
- The CGB J3-016 model (with 40-amp capacity) provides the fastest possible safe charging rate from a standard 50-amp circuit.

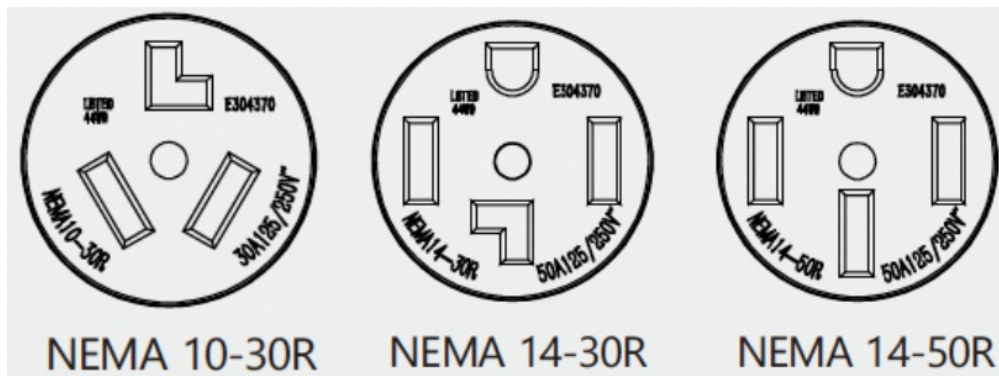
IMPORTANT: Please read this manual and the rear sticker on charger before use for important safety information.

Contact information

Splitvolt, Inc.
3250 Victor Street, Unit B
Santa Clara, CA 95054
info@splitvolt.com
www.splitvolt.com

Models covered in this guide

| Model | SKU | UPC | Wall Socket Connection (Male) | |
|-------------------------|---------------|--------------|-------------------------------|-------------------------|
| Splitvolt CGB J1-016 | CGB-J1-01624A | 850019012507 | NEMA 10-30 | Zero cost dryer plug |
| Splitvolt CGB J2-016 | CGB-J2-01624A | 850019012521 | NEMA 14-30 | |
| Splitvolt CGB J3-016 | CGB-J3-01640A | 850019012514 | NEMA 14-50 | Maximum |



If you're using a standard dryer plug, choose the CGB J1 or J2 model that corresponds to your plug type (NEMA 10-30 or 14-30). If your electrician has installed a 50amp service, choose the CBG J3 model (NEMA 14-50).

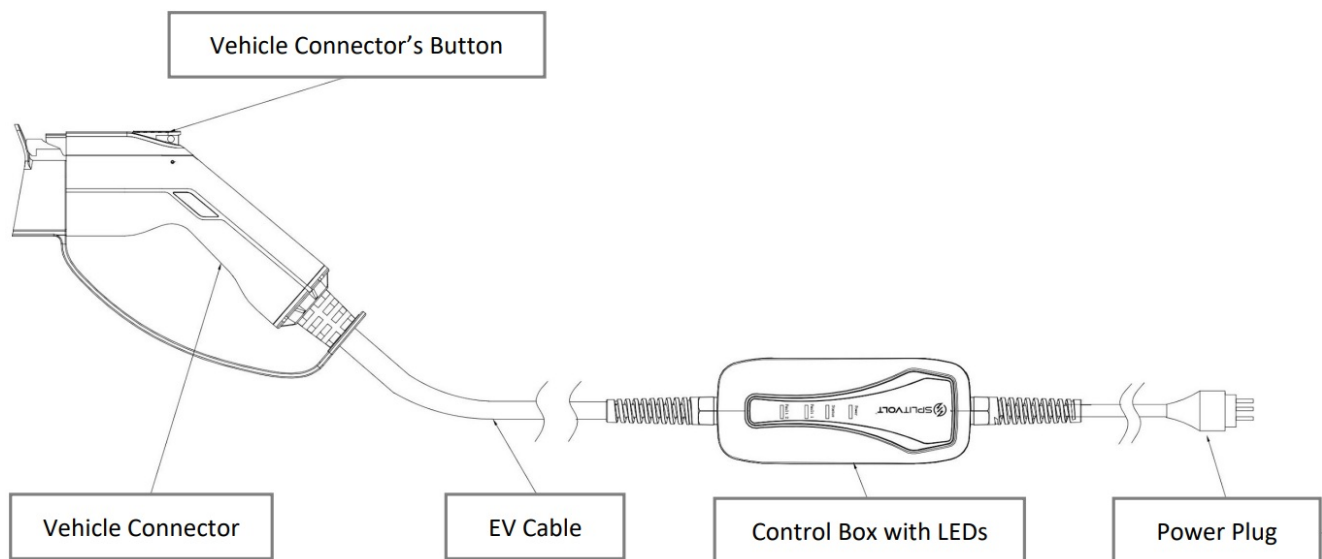
Features and Capabilities

- Super fast: Fastest possible safe charging on 30- or 50-amp circuits
- Easy to use: just plug it into your NEMA 10-30, 14-30, or 14-50 wall socket or your Splitvolt Splitter Switch and connect it to your EV
- See the charging state at a glance via 4 LEDs (see table below)
- Charge any standard EV: compatible with all common electric vehicles (BEVs and PHEVs) available in North America
- Lightweight: highly portable at only 6.4lb (2.9 kg), so you can use it at home or pop it in the trunk for a road trip
- Convenient: comes with a carry case, compact and simple to store
- Safety certifications: In the process
- Warranty: full one-year warranty included for peace of mind

Warnings

- This device contains no user-serviceable parts—do not open
- Do not submerge this device in water
- Do not use this product if the cable or any other part is damaged
- Intended for Electric Vehicle charging use only
- For use with standard U.S. household 30-amp or 50-amp circuits
- Rated for NEC maximum safe continuous charging of 24 or 40 amps

Product Diagram



How to start charging

1. Take out the charger and fully insert the 240-volt plug into the wall socket outlet
2. Remove the cover and a) for non-Tesla vehicles, plug the J1772 vehicle connector into your vehicle inlet; or b) for Tesla vehicles attach the standard J1772 adapter and insert it into the vehicle inlet
3. The device will start charging automatically while the READY/CHARGE and POWER indicators are all green

How to stop charging

1. Press the button and disconnect the J1772 vehicle connector from the vehicle inlet
2. The close protective cap of the vehicle inlet
3. If necessary, disconnect the plug from the socket outlet

LED indications

The charger is equipped with an LED panel that indicates the various states of the product, including fault and charging status.

| No. | Condition | Power | Charge | Fault 1 | Fault 2 |
|-----|-----------------------------|------------|------------|------------|------------|
| 1 | Initialization | Flash once | Flash once | Flash once | Flash once |
| 2 | EV Connection Ready | On | Off | Off | Off |
| 3 | Charging | On | Flashing | Off | Off |
| 4 | Charging Completed | On | On | Off | Off |
| 5 | Power Self-Test Failure | On | Off | On | On |
| 6 | Communication Failure | On | Off | Off | On |
| 7 | Overvoltage or Undervoltage | On | Off | On | Off |
| 8 | Grounding Failure | On | Off | Off | Flashing |
| 9 | Overcurrent | On | Off | Flashing | Off |
| 10 | Power Leakage | On | Off | Flashing | Flashing |
| 11 | Overheated | On | On | On | On |

Troubleshooting

If you are having trouble, note the LEDs on your unit and consult the table above to determine the status of your system. Then follow the steps in the table below to resolve the problem. Check our website (www.splitvolt.com) and contact us if you are still unable to resolve this.

| No. | Condition | Resolution |
|-----|-----------------------------|---|
| 1 | Initialization | Normal initialization upon plug-in |
| 2 | EV Connection Ready | Plug handle into EV to start charging |
| 3 | Charging | Charging normally |
| 4 | Charging Completed | Completed charging |
| 5 | Power Self-Test Failure | Unplug from wall power and EV, then plug both backs in |
| 6 | Communication Failure | Unplug from wall power and EV, then plug both backs in |
| 7 | Overvoltage or Undervoltage | Unplug from wall power and EV, then plug both backs in. If fault returns, test power source, contact electrician. |
| 8 | Grounding Failure | Unplug from wall power and EV, then plug both backs in. If fault returns, test power source, contact electrician. |

| | | |
|----|-------------------------|--|
| 9 | Overcurrent | Unplug from wall power and EV, then plug both backs in. If fault returns, test power source, contact electrician. |
| 10 | Power Leakage/reduction | Unplug from wall power and EV, then plug both backs in. If the fault returns, test the power source, try the shorter extension, and contact the electrician. |
| 11 | Overheated | Unplug from wall power and EV, contact an electrician |

Need more help?

Please visit www.splitvolt.com, email info@splitvolt.com, or call **(650) 209-0091** and leave a message with your contact information, product model number, and the issue you are experiencing.

Specifications

| Description | CGB J1-016 | CGB J2-016 | CGB J3-016 |
|------------------------------|---|------------|--|
| Maximum load | 240V ~60Hz 24A AC | | 240V ~60Hz 40A AC |
| Maximum current | 24A | | 40A |
| Rated power | 5.8Kw | | 9.6Kw |
| Input voltage AC | 88-288V 50/60Hz | | |
| Dust & water rating | IP55 | | |
| Warranty | 1 year | | |
| Safety certifications | In process | | |
| LEDs | Power, Charge, Fault 1, Fault 2 | | |
| Unit weight | 7.7 lbs (3.5 kg) | | 9.2 lbs (4.2 kg) |
| Output detection protections | Short circuit Leakage current Overvoltage and Over Undervoltage agency and under freq | | Over-current Over and under temperature Ground Lightning |
| Operating temperature | -25°C ~ +55°C | | |
| Storage temperature | -40°C ~ +80°C | | |
| Operating humidity | 20%–85% | | |
| Cable length | 16'5" (5 meters) | | |

| | | | |
|---------------------|------------------------------------|----------------------|------------------------------------|
| Package dimensions | 17.7 x 4.7 x 13.4 in (45x12x34 cm) | | 17.7 x 5.1 x 15.7 in (45x13x40 cm) |
| Package weight | 6.4 lb (2.9 kg) | | |
| Interface standards | SAE J1772 NEMA 10-30 | SAE J1772 NEMA 14-30 | SAE J1772 NEMA 14-50 |

Disclaimers

This product should not be submerged in water and must be treated in a manner consistent with its IP55 enclosure rating.

The CGB J1-016 and CGB J2-016 models of this product are designed to operate at a maximum continuous charging rate of 24 amps on a standard household 30-amp circuit, according to the National Electrical Code (NEC). Exceeding this rate can trip your household breaker, or lead to damage or risk of fire.

The CGB J3-016 model is designed to operate at a maximum continuous charging rate of 40 amps on a standard household 50-amp circuit, according to the National Electrical Code (NEC). Exceeding this rate can trip your household breaker, or lead to damage or risk of fire.

These products are for use with standard home wiring that is built and maintained to the latest National Electrical Code (NEC) safety standards. If you suspect that your home wiring does not meet the code, or is worn out or damaged in some fashion, contact an electrician for a safety inspection prior to using this product.

1-year limited warranty

Splitvolt, Inc warrants that this product shall be free from defects in material, workmanship, and assembly, under normal use, in accordance with the specifications and warnings, for a period of one year from the date of purchase. This warranty does not cover damages as a result of an accident; resulting from the use or misuse of parts not manufactured or sold by Splitvolt, Inc; or resulting from modification of the Splitvolt Charger.

These warranties extend only to the original purchaser of the product and are not transferable. To exercise your rights under this warranty, you must provide proof of purchase in the form of an original sales receipt that shows the product name and the date of purchase. These warranties apply only to natural purchasers of the Splitvolt Charger for personal, family, or household use, not to commercial, institutional, or industrial purchasers. These warranties are valid only in the United States. In no event shall Splitvolt, Inc. be liable for any direct, indirect, incidental, special, consequential, or multiple damages arising out of the use of the SplitvoltCharger devices.



Documents / Resources

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| | <p>SPLITVOLT L2 Portable Fast EV Charger [pdf] User Guide</p> <p>L2 Portable Fast EV Charger, L2 EV Charger, Portable Fast EV Charger, EV Charger, Fast EV Charger, Portable EV Charger</p> |
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