



Splitvolt™ L2 Portable Fast EV Charger

QuickStart User Guide

Models: CGB J1-016, CGB J2-016, CGB J3-016, CGB J1-026, CGB J2-026



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 J1-016/026 and CGB J2-016/026 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

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help@splitvolt.com
www.splitvolt.com

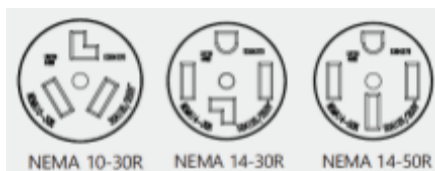
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Models covered in this guide

Model	SKU	UPC	Wall Socket Connection (Male)	Benefits
Splitvolt CGB J1-016	CGB-J1-016-24A	850019012507	NEMA 10-30	Zero cost installation: Uses the traditional 240v dryer plug found in most homes
Splitvolt CGB J1-026	CGB-J1-026-24A	850019012057	NEMA 10-30	
Splitvolt CGB J2-016	CGB-J2-016-24A	850019012521	NEMA 14-30	
Splitvolt CGB J2-026	CGB-J2-026-24A	850019012040	NEMA 14-30	
Splitvolt CGB J3-016	CGB-J3-016-40A	850019012514	NEMA 14-50	Maximum possible charging rate on a 50-amp circuit

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 50-amp service, choose the CGB J3 model (NEMA 14-50).



Features and capabilities

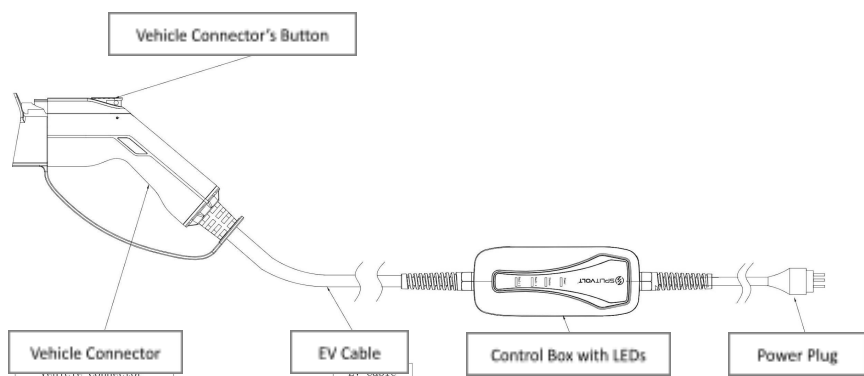
- Super fast: Fastest possible safe charging on 30- or 50-amp circuits
- Easy to use: just plug it into your NEMA 10-30, 14-30, or 14-50 wall socket or your Splitvolt Splitter Switch and connect it to your EV
- See the charging state at a glance via 4 LEDs (see table below)
- Charge any standard EV: compatible with all common electric vehicles (BEVs and PHIVs) 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 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 into vehicle inlet
3. The device will start charging automatically while the READY/CHARGE, POWER indicators are all green

How to stop charging

1. Press the button and disconnect the J1772 vehicle connector from the vehicle inlet
2. Close protective cap of 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.

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 back in
6	Communication Failure	Unplug from wall power and EV, then plug both back in
7	Overvoltage or Undervoltage	Unplug from wall power and EV, then plug both back in. If fault returns, test power source, contact electrician.

8	Grounding Failure	Unplug from wall power and EV, then plug both back in. If fault returns, test power source, contact electrician.
9	Overcurrent	Unplug from wall power and EV, then plug both back in. If fault returns, test power source, contact electrician.
10	Power Leakage / reduction	Unplug from wall power and EV, then plug both back in. If fault returns, test power source, try shorter extension, contact 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 undervoltage Over and under frequency 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

Description	CGB J1-026	CGB J2-026
Maximum load	240V ~60Hz 24A AC	
Maximum current	24A	
Rated power	5.8Kw	
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)	
Output detection protections	Short circuit Leakage current Overvoltage and undervoltage Over and under frequency	
Operating temperature	-25°C ~ +55°C	
Storage temperature	-40°C ~ +80°C	
Operating humidity	20%–85%	
Cable length	26' (8 meters)	
Package dimensions	17.7 x 4.7 x 13.4 in (45x12x34 cm)	
Package weight	6.4 lb (2.9 kg)	

Interface standards	SAE J1772 NEMA 10-30	SAE J1772 NEMA 14-30
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Disclaimers

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

The CGB J1-016/026 and CGB J2-016/026 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 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 Splitvolt Charger devices.