



Splitvolt™ Splitter Switch™

QuickStart User Guide

Models: SPS 01-011, SPS 02-022, SPS 01-031, SPS 02-032



Thank you for choosing the Splitvolt™ Splitter Switch™! Charging your electric vehicle (EV) just got easier! Share and automatically switch full power between your EV charger and clothes dryer using your existing, standard dryer wall socket. Avoid the cost, complexity and time of having an electrician install a dedicated circuit, and instead utilize your existing home wiring with Splitvolt. This new category of product saves you thousands of dollars in rewiring costs. Just plug it in, and Splitvolt monitors, displays, and switches full 24-amp power on-demand between attached devices, providing the fastest possible safe charging on a standard 30-amp circuit, at a fraction of the cost of installing a new, dedicated circuit in your home.

Please read this manual before use.

Contact information

Splitvolt, Inc.
3250 Victor Street, Unit B
Santa Clara, CA 95054

info@splitvolt.com

www.splitvolt.com

Splitvolt Splitter Switch

QuickStart User Guide

Models covered in this guide

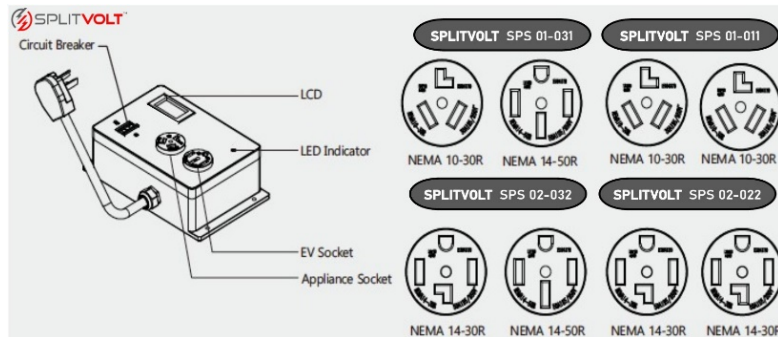
Model	SKU	UPC	Wall Plug Pigtail Connector (Male)	Dryer Socket Connection (L, Female)	EV Socket Connection (R, Female)
SPS 01-011	SPS-01-011-30A-00	850019012200	NEMA 10-30	NEMA 10-30	NEMA 10-30
SPS 02-022	SPS-02-022-30A-00	850019012217	NEMA 14-30	NEMA 14-30	NEMA 14-30
SPS 01-031	SPS-01-031-30A-00	850019012224	NEMA 10-30	NEMA 10-30	NEMA 14-50
SPS 02-032	SPS-02-032-30A-00	850019012331	NEMA 14-30	NEMA 14-30	NEMA 14-50

Pick the right model based on your wall socket, dryer plug, and EV socket type according to the table above. You can reference the socket-type images in the diagram below to determine which type you have.

Features and capabilities

- Automated power switching between dryer and EV power sockets
- Full-color display screen and LED status lights
- Real-time voltage, current, temperature, kWh, and status indicators
- Integrated 25-amp circuit breaker with easy reset for added protection
- Supports standard 30-amp dryer circuits (maximum 24-amp NEC safe charging rate)
- Compatible with common 3rd-party electric vehicles and chargers
- Supports common household dryer (10-30 and 14-30) and charger (10-30, 14-30, and 14-50) plug types
- The NEMA 14-50 plug is for convenient access to common charger plugs; the maximum safe charging rate on the socket is 24 amps
- Integrated wall-mount screw holes and 3 ft (1 m) pigtail plug for easy installation
- UL/CE safety certifications: in process, not yet received

Get to know your Splitvolt Splitter Switch



- Circuit breaker with on/off positions
- 3-line LCD display
 - Present power use in Watts
 - Total power used over time in kWh
 - Voltage and current in amperes (amps)

To reset statistics over time, press and hold the flat reset button on the right side of the screen for 5 seconds

- LED indicator: ON indicates EV charger (EVSE) has power
- Left outlet: for electrical appliance (dryer)
- Right outlet: for EV charger

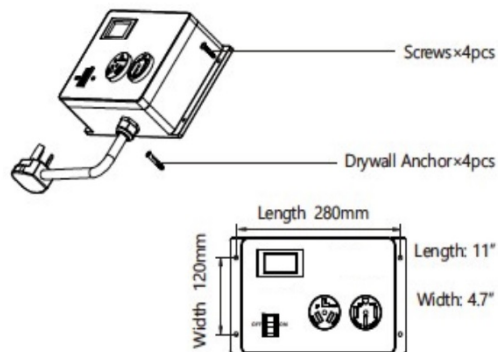
Specifications

Maximum Load	240V ~60Hz 24A AC
Nominal Intended Power	North American 220-240V AC, ~60Hz
Dust and Water protection	Indoor Use Only
Case Flammability Safety Rating	UL-94 V0
Full Safety Agency Certification	Pending
LED Indicator (Lit)	EV Socket Power On
Unit Weight	6.7 lb (3.04 kg)
Unit Dimensions	12" x 8.5" x 4" (30.5 x 21.6 x 10.2 cm)
Package Dimensions	14" x 13" x 7" (35.5 x 33 x 17.8 cm)
Package Shipping Weight	8.5 lb (3.9 kg)
Warranty	1 Year

Quick start

1. Plug the SPS into the wall outlet
2. Plug the dryer into the left outlet of the SPS
3. Plug the EV charger into the right outlet of the SPS
4. Set current to 24 amps on either your EV charger or vehicle
5. Switch the circuit breaker to the ON position

Optional wall mount



1. Position the SPS so that the plug reaches the wall outlet
2. Mark screw holes
3. Unplug the SPS
4. Use 5/16" or 8 mm drill bit to create drill holes
5. Push the supplied 5/16" x 1.5" (8 mm x 38 mm) anchors into the drill holes
6. Secure the SPS into anchors with supplied screws

Disclaimers

By using this product, you acknowledge that it is an early-release version that has not yet received UL/CE safety certifications. If you prefer not to use an uncertified product, please contact us directly to return the product unused, undamaged and in its original packaging for a refund.

This product is intended for indoor use and must be protected from moisture and the elements to maintain safety, durability and operation.

This product is 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 lead to damage or risk of fire.

Set your EV charger or EV to a maximum charge rate of 24 amps.

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 Splitter Switch.

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 Splitvolt Splitter Switch 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 Splitter Switch devices.

Troubleshooting

The following table identifies steps for troubleshooting the operation of the device. If you are experiencing difficulty, please review the table below, check our website (www.splitvolt.com), and then contact us if you are still unable to resolve.

Issue	Resolution
Splitter switch's LED and LCD are not turning on	Is power available? 1. Check that the wall socket has power 2. Check that the wall plug is plugged in fully 3. Check that the built-in breaker is in ON position
The wall socket seems to be upside down	There is no universal orientation for NEMA plugs, so yours could be upside down. Just plug it in anyway.
The pins on the cable do not match my wall socket	It is possible that the wrong model was ordered. Please email info@splitvolt.com or call (650) 209-0091 for assistance.
Not getting power from either one of the sockets	Double-check all plugs are pushed in completely
Splitter switch is not turning off the EV Socket when dryer is running	1. Confirm what type of dryer you have. If you have a gas line running into the dryer, you have a gas dryer (even if it is plugged into a NEMA 10-30 or NEMA 14-30 plug). Please email info@splitvolt.com or call (650) 209-0091 for assistance. 2. Turn off energy saver mode on your dryer. Does the splitter switch turn off the EV socket? If so, you have a rare high-efficiency dryer that downshifts to 120V during part of the cycle. Please email info@splitvolt.com or call (650) 209-0091 for assistance.
Hear a buzzing sound coming from splitter switch	Turn off the breaker and turn it back on. The contacts may have become misaligned. Powering on/off will help it self-realign.

Need more help?

Please visit www.splitvolt.com, email info@splitvolt.com, or call (650) 209-0091 for assistance.