Smart EV Charger Customer FAQs

Why Level 2 (L2) Charging?

The SolarEdge L2 Smart EV Charger charges your EV up to 7X faster* than plugging into a standard wall outlet. With L2 charging, you'll get about 35- 40 miles per hour charging at 40A. A standard 120V wall outlet typically provides a maximum of 5 miles of range per hour of charging.

What are the different installation options?

There are two ways to set up your Smart EV Charger, depending on your specific needs:

- Plug-in: Requires a NEMA 6-50 plug (240V outlet). This option enables you to easily detach the unit, when moving or renovating. Also, installing an outlet, if you don't already have one, is generally less expensive than hardwiring a station.
- Hardwired: For those who do not have, or wish to install a 240V outlet. This more permanent option requires a professional, licensed electrician.

What makes SolarEdge's Smart EV Charger smart?

By connecting to a SolarEdge PV system, you may:

- Charge with up to 100% solar energy
- Charge up to 25% faster, using the solar boost mode
- Schedule charging during off-peak periods
- Stop and start charging remotely
- Manage EV charging and PV from the same app

Can the charger be installed inside and outdoors?

Yes. However, the outdoor install requires the hardwired version and an electrician.

Can I take the charger with me if I move?

Yes. The plug-in version can be safely detached simply by disconnecting from the outlet. To take a hardwired version with you, you'll need to call an electrician.

*Assuming 40A@240Vac vs 12A@120Vac

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/ What do the LED ring light colors indicate?

LED Ring Indications

Color	Description
OFF	No power
Red ON	Error
Green ON	Charging and connected to Internet
Green blinking	Connected to EV and connected to Internet
Green pulsating[1]	Not connected to EV but connected to Internet
Orange ON	Charging but not connected to Internet
Orange blinking	Connected to EV but not connected to Internet
Orange pulsating[1]	Not connected to EV and not connected to Internet
Purple blinking fast	Smart EV Charger is ready to connect to smartphone for setting up
Purple momentarily ON	Smart EV Charger is connected to smartphone for setting up

[1]The light switches on slowly and gradually increases up to maximum and then slowly decreases back to off

/ **How big is it?**

7.3 inches wide by 12 inches high and 3.75 inches deep, taking up minimal wall space

/ **How long is the cable?**

25'

/ **What is the maximum output power?**

9.6 kW

/ **Can I track my energy consumption for each charging session?**

Yes. The mySolarEdge app shows charging history in kW and energy consumption in kWh for each session.

/ **What is the warranty?**

The charger is backed by an industry leading 5-year warranty. By comparison, other chargers offer warranties of 2-4-years. Please refer to the limited product warranty on the datasheet or separate information on your charger cable warranty.
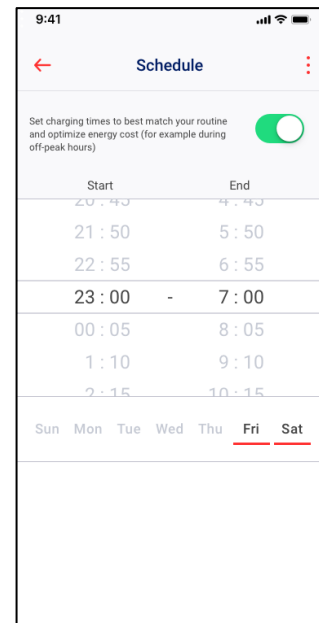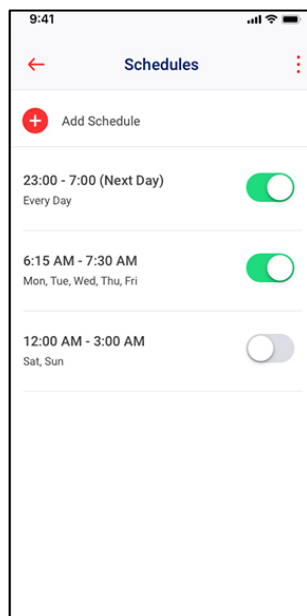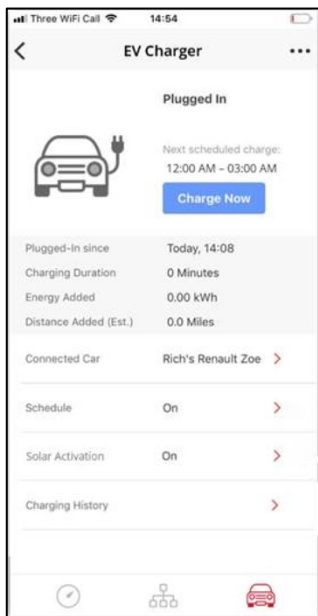
⸽ Can I schedule charging my EV at specific times of the day?

Yes, make sure your charger is activated and connected to WiFi. In the mySolarEdge app, tap 'Schedule' under the EV Charger menu. Turn on the Schedule option. You can select start and end times as seen below. Use the scheduled charging mode to enable charging at specific

times during the day. By default, charging will use solar power, and if needed, also use grid power. Scheduled charging is recommended if you have varying electricity rates (TOU tariffs), so you can limit grid charging to specific off-peak hours, when grid rates are lower—saving you money.

Tip: Check your local electricity tariffs to determine the preferred charging times
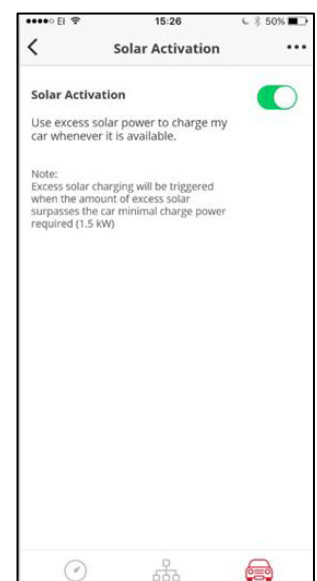
Note: 'Multiple scheduling' feature will be supported from version

⸽ Can I charge my EV from 100% renewable energy?

Yes. If your charger is installed at the same site as a SolarEdge system, and is directly connected to a consumption meter, you can use Excess Solar Mode to charge with up to 100% sun power.

To do this, tap on 'Solar Activation' under the EV Charger menu. Turn on the activation to charge from excess solar power whenever it is available. Excess solar charging will be triggered when the amount of excess solar surpasses the car minimal charge power required (1.5 kW).

*Please note that solar-integrated charging will result in slower charging speeds, and is subjected to available solar energy.

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How do I override a scheduled charging session and charge immediately?

First, plug the charger into your EV. You can either use the mySolarEdge app (click on Charge Now), or directly on the charger do a short press on the push button (located on the left side). This will override your scheduled sessions and initiate EV charging immediately. The LED Ring Indicator will turn orange when charging is in progress.

Does the push button have any other function?

Yes. A short press on the push button can be used to restart the charger in case of malfunction.

A long press will enable you to pair the charger with your smartphone and set up & activate the mySolarEdge app.