

EV Charger Cable Installation and EV Charger Configuration

Contents

EV Charger Cable Installation and EV Charger Configuration	1
Introduction	1
Mounting the EV Charger Cable	1
EV Charger Activation and Configuration	3
EV Charger Configuration and Monitoring	4
Specifications	5
Charging Instructions	6

Version History

- Version 1.2, December 2018 - Added caution about cable holder mounting position
- Version 1.1, Apr 2018 - Clearance updated; addition of operating instructions
- Version 1.0, Feb 2018 - Initial release

Introduction

The EV Charger Cable is used with SolarEdge’s EV Charging Single Phase Inverter (referred to as inverter). This document describes how to install and connect the cable and how to configure the EV Charger.

Package Contents

- A holder that is mounted on a wall/ pole (screws are not included)
- EV Charger Cable
- Cable lock

Required Equipment

- 4 screws
- Screwdriver
- Drill

NOTE



Connection to the SolarEdge monitoring platform is required for first EV charging. Use ZigBee or Ethernet connection. You can also use cellular connection, which requires a SIM card with a 50 MB data plan that should be purchased from a cellular provider; a SolarEdge data plan supports activation only.

Mounting the EV Charger Cable

Install the EV Charger Cable after the inverter is already installed (refer to the Inverter Installation Guide).

1. Connect the EV charger Cable to the inverter (see [Figure 1](#)):
 1. Align the two white arrows on the EV charger cable connector with the white dot on the inverter connector located at the bottom of the inverter: the dot should be between two arrows.
 2. Plug the connector into the EV connector.
 3. Rotate the cable connector clockwise to fasten it.

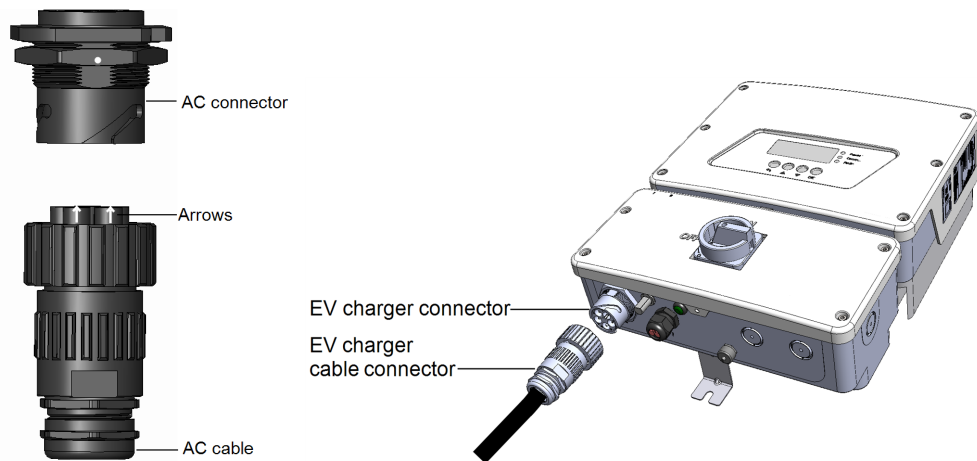


Figure 1: EV cable connection

2. Determine the mounting location, on a wall, stud framing or pole.
 - Maintain the following minimum clearance areas between the holder and other objects:
 - 8" (20 cm) from the top and sides of the holder
 - 24" (60 cm) - 4 ft (1.2 m) from the bottom of the holder



CAUTION!

Install the cable holder (storage means) between 24-48" (60-120cm) from ground (grade).

ATTENTION!

Installer le support du câble (utilisé pour le stockage) entre 24 – 48" 60 et 120cm du sol (niveau).

- Install the cable holder at minimum height of 0.4m and maximum height of 1.5m from the ground.
3. Position the holder against the wall/ pole and mark the drilling hole locations.
 4. Drill the holes.
 5. Position the EV Charger Cable (with the plug at the top) in the groove of the holder and attach the holder to the wall using the screws ([See Figure 2](#)). This allows cable strain relief.
 6. Verify that the bracket is firmly attached to the mounting surface.

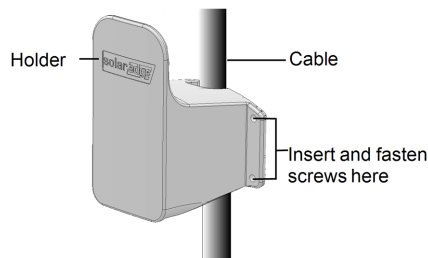


Figure 2: Cable connection

7. Hang the cable on the holder. To avoid damage to the cable, do not exert pressure on the cable.

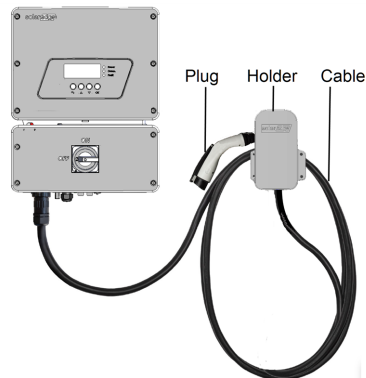


Figure 3: Inverter with EV charger

8. Activate and configure the EV Charger as described in the next section.


NOTE
Keep the dust-cap closed when the charger is not in use.

EV Charger Activation and Configuration

After installing the EV Charging Single Phase Inverter, and the EV Charger Cable, the EV Charger should be activated in order to enable charging. This chapter describes how to activate and configure the EV Charger using the SolarEdge monitoring platform mobile application.

NOTE

Connection to the SolarEdge monitoring platform is required for first EV charging. Use ZigBee or Ethernet connection. You can also use cellular connection, which requires a SIM card with a 50 MB data plan that should be purchased from a cellular provider; a SolarEdge data plan supports activation only.

1. Download the SolarEdge monitoring app for [iOS](#) or [Android](#) and tap the  icon to access the SolarEdge monitoring platform.
2. Log in using your monitoring platform credentials.
3. Tap the car icon to access the EV Charger screens.

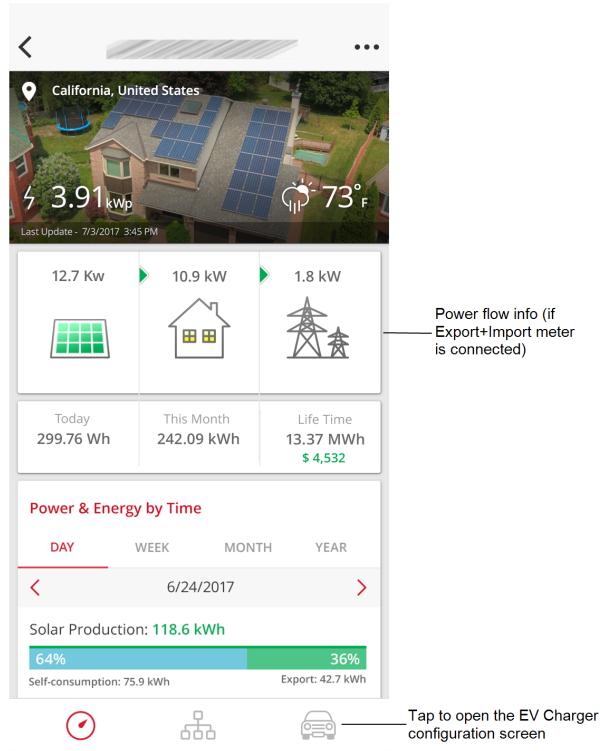


Figure 4: Monitoring platform mobile application

4. Tap **Activate EV Charger** and follow the instructions on the screen (scan the EV Charger code sticker using the device camera, or enter it manually).

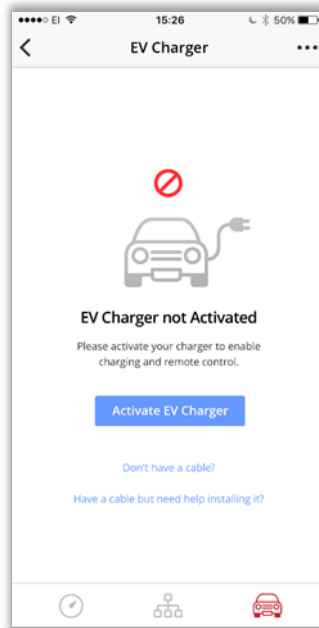


Figure 5: EV Charger activation

- When the EV Charger is activated and ready for configuration, the following screen is displayed. Tap OK.

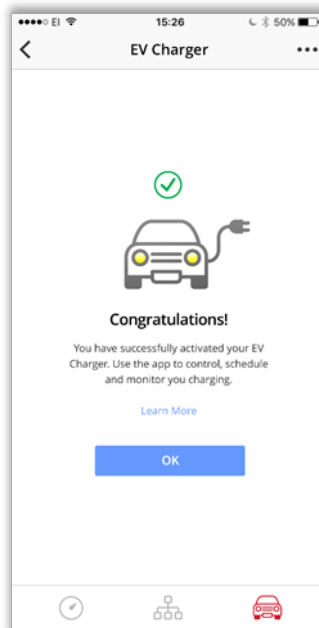
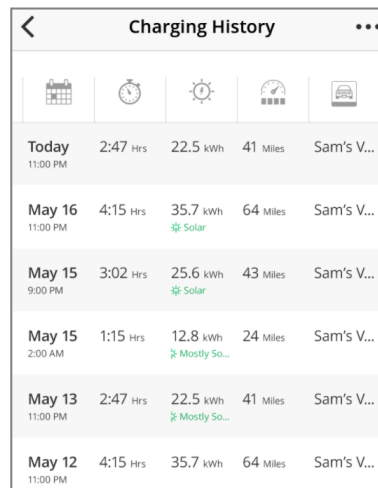
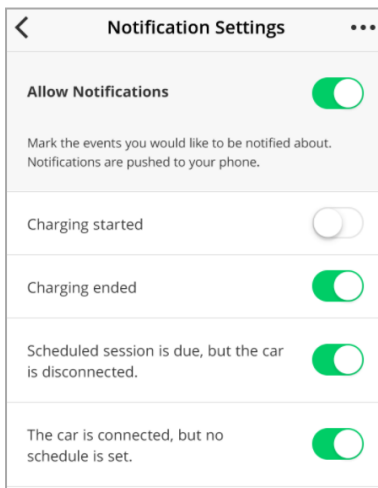
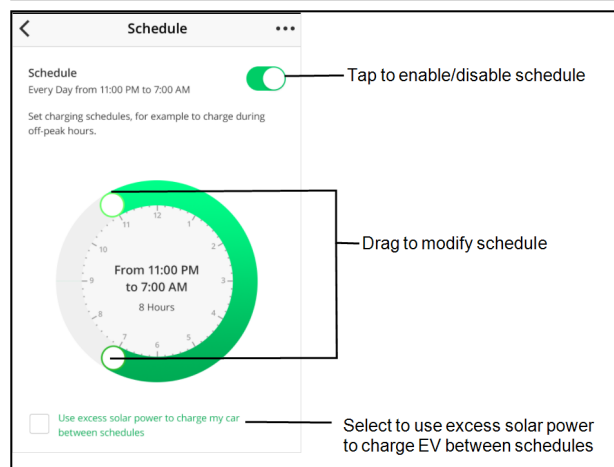
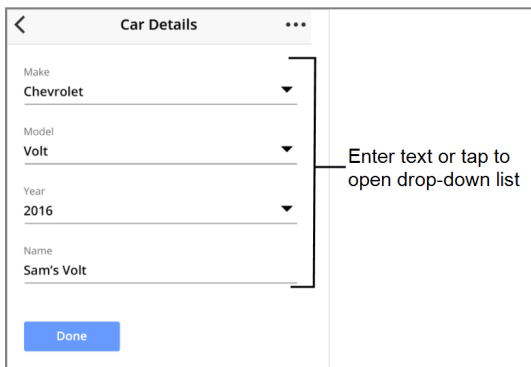
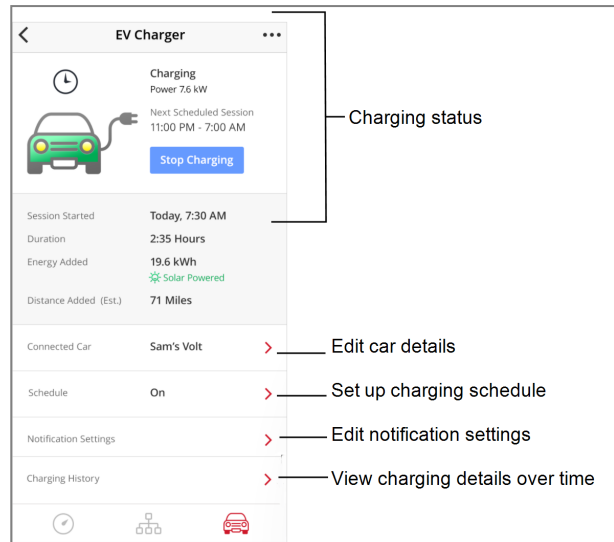
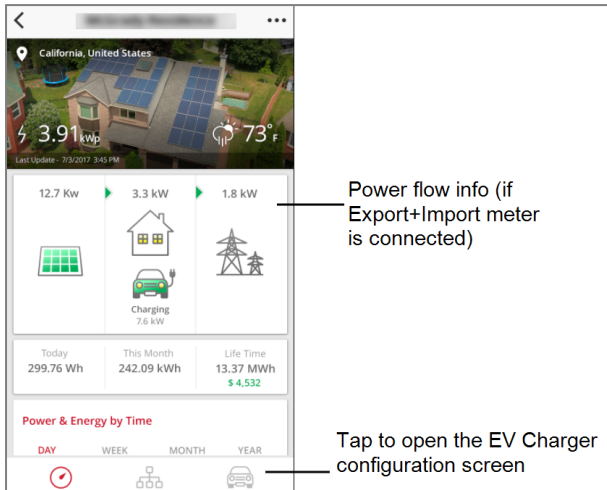


Figure 6: EV Charger activated

EV Charger Configuration and Monitoring

- Before starting, make sure that:
 - The inverter is installed and activated (refer to the *Inverter Installation Guide*)
 - The EV Charger Cable is installed
 - The EV Charger activation is complete
- Access the SolarEdge monitoring app.
- Tap the car icon to access the EV Charger configuration screens.
Following is a description of the functionality of each of the EV Charger configuration screens.



Specifications

EV Charger Connector	IEC62196 Type 1 / Type 2
Charging Cable Length	25 ft. 7.6 m (15 ft 4.6 m option)
Charging Cable Weight	12.5 lb.5.7 kg (7.7 lb. 3.5 kg for the 15 ft. 4.6 m option)
Holder Weight	0.6 lb. 300 gr

Charging Instructions

1. Verify that the green LED at the bottom of the inverter is ON indicating that the EV Charger is ON and ready to charge.
2. Hold the EV Charger plug and unwind the cable from the holder.
3. Connect the EV Charger plug to the charging socket of the vehicle and push firmly until it clicks into the socket. The inverter will sound 1 short beep and the blue LED will turn on (the green LED turns off) to indicate a proper connection.

The charging starts automatically, indicated by 2 short beeps and 1 long beep and the blue LED blinking.

When the charging is complete, the blue LED stops blinking and is steadily on.

4. Press the EV Charger plug latch and pull it from the EV charging socket.
5. Wind the EV Charger cable on the holder and hang the EV plug.

For all LED indications refer the *EV Charging Inverter Installation Guide*.