

EV Charging Single Phase Inverter

The world's first EV
charging inverter



Increase your revenue with the world's first EV charging PV inverter. It offers users the ability to charge electric vehicles up to 2.5 times faster than a standard EV charger through an innovative solar boost mode that utilizes grid and PV charging simultaneously.

Your customers will save money, time, and hassle compared to purchasing and installing an EV charger and PV inverter separately, and they will also benefit from integration with the SolarEdge monitoring platform.

Whether your customer owns an EV now or just wants to be EV-ready, drive your business into the future with SolarEdge.

solaredge

/ Key Benefits



Combines sun and grid power for charging up to 2.5 times faster than standard EV chargers using existing electricity infrastructure



Fully integrated with the monitoring platform and easy inverter commissioning using the SetApp mobile app



Reduces workload and costs of installing a standalone EV charger and a PV inverter



Built-in meter enables separate tracking of EV power usage for visibility and control



An EV-ready solution, future-proofed for new EV purchase or replacement, and compatible with multiple EV connectors



12-year warranty⁽¹⁾, extendable to 20 or 25 years



Maximises self-consumption by using excess PV for EV charging



Demand-Response ready

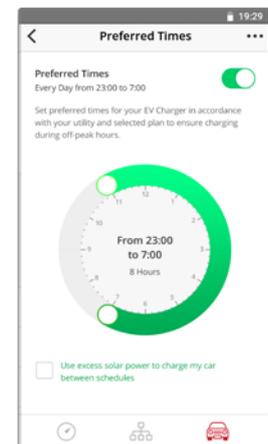
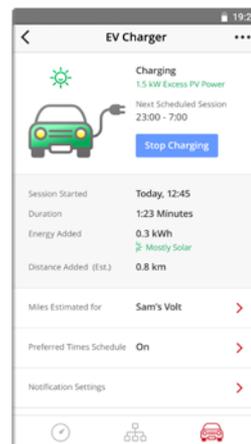
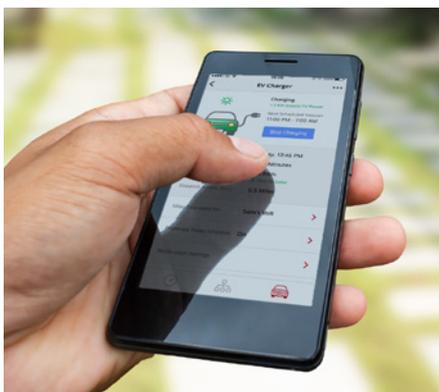


/ Full Visibility and Control

The SolarEdge EV charging single phase inverter supports full network connectivity and integrates seamlessly with the SolarEdge monitoring platform. Homeowners can track their charging status, control vehicle charging, and set charging schedules.

Feature Highlights

- / Smart-scheduling for use with Time of Use (TOU) rates — charge from the grid during off-peak hours
- / Track PV, EV, and grid consumption for visibility and control of household energy usage
- / Remote operation via mobile app — turn charging on and off directly from your smartphone
- / View charging duration, charge energy, and percent charge from PV
- / Easy inverter commissioning directly through your smartphone using the SetApp mobile application



/ EV Charging Comparison

Standard EV Charger
(2.7 kW 12A@230Vac)

SolarEdge EV Charger Mode 3
with Solar Boost Mode

Charging speed depends on PV
production
(Maximum 7.4 kW 32A@ 230Vac)⁽²⁾

| | | |
|---|--------------|----------------|
| Added kilometers per 1 hour of charging ⁽³⁾ | 8 to 15 km | 35 to 40 km |
| Charge time needed to meet average daily mileage ⁽³⁾ | 4 to 8 hours | 1 to 1.5 hours |

¹ Cable and connector are not included

² Check your car manual for maximum charge rate

³ Assuming 5 km/kWh and with a EU household average driving distance of 50 km per day
(<https://setis.ec.europa.eu/related-jrc-activities/jrc-setis-reports/driving-and-parking-patterns-of-european-car-drivers>)

/ Get EV Ready for Less



About SolarEdge

SolarEdge is a global leader in smart energy technology. By deploying world-class engineering capabilities and a relentless focus on innovation, we create smart energy products and solutions that power our lives and drive future progress

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