solaredge

ONE Solution.
Total EV Control.

Simplified EV charger deployment and management

Energy flow — Last 12 months

1.2 KW   1.7 KW

0.8 KW   0.3 KW
                32 EVs Connected
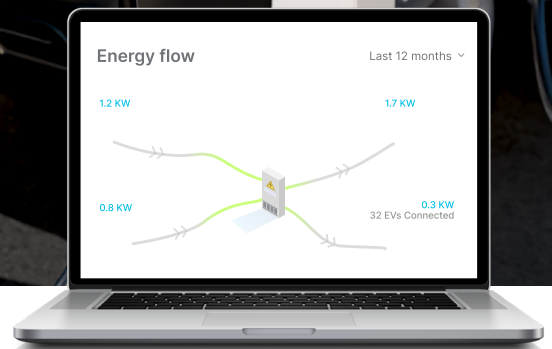
As EV adoption continues to grow, EV charging is expected to become a major driver of electricity demand. For commercial solar installers, this presents unique opportunities for offering smart energy management solutions that can successfully integrate PV and EV under one roof.

Electrify your sales with SolarEdge EV charging solutions

Combine easy-to-install SolarEdge ONE EV Chargers with intelligent management software that optimizes energy usage across commercial PV and EV assets.

- **Lowers electricity costs** with smart load balancing, using excess PV for EV charging
- **Managed by ONE for EV software** that supports mixed environments with multiple OCPP-compliant chargers
- **Enables faster installs and commissioning** with snap-on mounting, multiple cable entry points and a dedicated app for easy setup
- **Durable yet lightweight**, suitable for indoor or outdoor use

Scalable EV charging for every commercial scenario

Deliver industry-leading EV charging infrastructure to sites with or without PV installed, ideal for a range of C&I applications.

Commercial complexes and MDUs
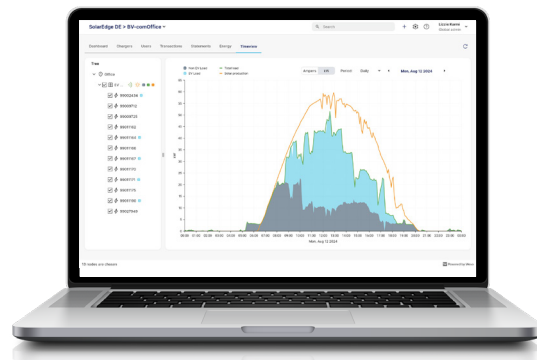
Fleet electrification

Workplaces

Public charging stations

One dashboard to manage all EV operations

EV charging using excess PV

Seamless EV management

- Manage entire SolarEdge EV, PV and storage fleets from a single platform

- Pre-integrated hardware and software solution designed to smartly power PV + EV

- Just one address for all support, service and training needs

- Supports over 100 third-party OCPP-compliant chargers, not just SolarEdge's

Optimized EV charging

- Smart charging scheduling based on available solar production, real-time electricity prices, and user priorities

- Static and dynamic load balancing designed to constantly adjust charging speeds to avoid exceeding sites' infrastructure capacity

- EV charging is designed to automatically align with energy availability or low-rate periods

Remote analysis tools

- Gain comprehensive, real-time insight into every EV station across multiple charging locations

- Analyze charger connection status, charging rates, energy allocation while charging, and more

- View detailed history of every transaction, including charge cost, energy usage, and charging duration

Sophisticated payments & user access capabilities

- Facilitate payment processing, billing, invoicing, and subscription management*

- Easy EV charger and user setup, supporting small commercial up to enterprise scale charging networks

- Flexible configuration of driver EV permissions when they use the SolarEdge ONE for EV driver app

- Provide drivers with clear pricing and detailed accounting of EV charging costs*

* Add-on to the base SW package

"With more employees using electric vehicles, why wouldn't we leverage our excess solar energy to charge them? This solution seemed like a logical step, ensuring our building's energy needs remain a priority, while allowing efficient use of excess production. SolarEdge's software fully automates the distribution of solar energy to our building, battery and EV chargers – reducing our EV charging costs by 70%."

Christoph Vogl, CEO, BV-com Office GmbH

Learn More

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