

SolarEdge puts EV motorists on the right road

SolarEdge, a leading smart energy solutions manufacturer and service provider, is committed to providing innovative solutions that help more people gain control of their energy usage. For this reason, it launched the world's first 2-in-1 EV charger and solar inverter for the European market. The EV charging single phase inverter enables EV owners to charge their electric vehicles directly from the power of the sun to maximize solar usage, further reduce electricity bills, and reduce their carbon footprint.

The environmental and vehicle owner benefits, derived from SolarEdge's EV charging inverter, are echoed in a recent European Environment Agency [Report](#) focussed on electric vehicles and the drive towards sustainable motoring on the continent. It points out that, amongst other things, EVs can significantly reduce the adverse environmental effects of conventional passenger vehicles, as long as the electricity is derived from renewable sources.

Completely Green sees the light

Recognizing this drive towards carbon neutral motoring, Completely Green, a highly knowledgeable sustainable energy specialist, elected to install this SolarEdge EV charging inverter at their completely green roadside [EV charger car port](#).

Having gone live a year ago in Somerset UK, this drive-in station, with bespoke solar car port, comes complete with a compact solar array on the roof and the SolarEdge EV charging inverter mounted on a pillar inside the car port. The construction allows motorists to charge their electric vehicles using only the power of the sun to reduce reliance on the grid and conveniently charge their EVs along their journey.

In addition, the monitoring feature that seamlessly integrates into the SolarEdge EV charging inverter, allows Completely Green to view charge duration and charge energy, carry out smart scheduling and also remote operation. This has proven to be a handy tool in the company providing a complete service to all EV owners using the company's car charge point. The feature also allows homeowners to activate EV charging remotely to manage both EV and solar from their smartphones.



Key points

With this SolarEdge solution, EV owners benefit from an EV charging inverter that:

- Reduces electricity bills and delivers long-term savings through free solar energy
- Negates the cost and hassle of installing a separate EV charger and PV inverter
- Helps prosumers maximize self-consumption by using excess PV for EV charging

The quicker the better

Besides the monitoring tool, installing the [EV charging inverter](#) also allows homeowners to benefit from the ability to charge EVs up to 2.5 times faster than a typical mode 2 charger through an innovative solar boost mode that utilizes grid and PV charging simultaneously.

Sustainable motoring fits into SolarPower Europe's vision

[SolarPower Europe's](#) aim is to ensure that more energy is generated by solar than any other energy source by 2030 and also discover more ways to increase solar-powered electric mobility in Europe. Putting together a Solar Mobility Task Force to fast-track solar-powered mobility and also creating a new Solar Mobility Report, proves that this member-led association is now pulling out all the stops to turn their vision into a reality.

As an active member of the association, SolarEdge has a big part to play in this drive to deploy more solar throughout Europe and is actively contributing to the Task Force, as well as collaborating with other like-minded members of SolarPower Europe that share the same commitment to achieving sustainable motoring across the continent.

Completely Green's EV charging project, utilising SolarEdge's smart technology, will certainly play its part in answering that call.

