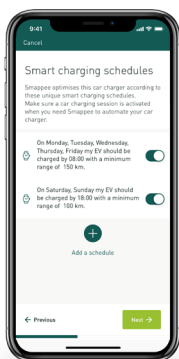


# Smart EV charging with dynamic load balancing and overload protection.



Smappee Infinity ensures that your electric vehicle (EV) gets fully charged while it cleverly manages your energy flows so you can live, work and relax without compromising on comfort.



The growing success of EV adoption and the expanding network of residential and office charging stations raises a key question: 'How will this new "electrical appliance" be integrated into the overall energy management of the building?' With anything more than a few vehicles on charge, current infrastructure cannot cope with the additional demand that can blow fuses and damage circuits. In addition to that, the lack of insights in the charging process and the inability to control the use of solar energy for the charging sessions are at the top of EV owners' frustrations. Smappee's smart EV charging solution, featuring local dynamic load balancing, offers you an easy, ready to use and global solution that solves all these problems and more.



Smappee's smart energy management technology works from inside the breaker panel to monitor, control and harmonise all the energy flows within any building. Thanks to the local dynamic load balancing and tailored smart EV schedules you can control your energy flows. This allows multiple vehicles to be charged, whilst the building's demands are met and the system is maintained well within maximum power limits (overload protection). In addition, you will use your solar energy to the fullest for the charging sessions so you spend less on your energy bill (self-sufficiency). In larger buildings, Smappee's dynamic

load balancing also offers an opportunity to install more EV charging stations than would otherwise be possible. Thanks to the more effective management of the various demands, you avoid reinforcing the existing grid infrastructure which is expensive and disruptive.

Smappee's smart EV charging solution is market grade and customisable to your brand and needs. Our dedicated team will support you with a smooth product integration and development.

Smappee Infinity is ready for the coming smart grid (r)evolution. Incorporating state-of-the-art technology and allowing over-the-air updates, it is able to adapt to any demand scenarios and all applications. In the meantime, it already offers homeowners and businesses overload protection and maximises the use of solar energy, as EV chargers are incorporated into existing electrical installations.



- Peace of mind thanks to autonomous overload protection.
- Dynamic load balancing enabling self-sufficiency.
- Real-time and historical data on charging process and energy use.
- Intelligent energy control and tailored smart EV schedules.
- Future-proof thanks to over-the-air updates and modularity.
- Quick and easy installation, low maintenance, CE/UL certified.
- Works with all inverter types and most distribution panels worldwide.

[smappee.com](https://smappee.com) – [info@smappee.com](mailto:info@smappee.com)

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