

sonnenPro EMS

Smart energy management for sonnenPro Compact

sonnenPro Compact is operated with our sonnenPro EMS as standard, covering all common use cases in commercial and industrial applications.



Full control and real-time insights

Take control of your energy with sonnenPro EMS.

The **sonnenPro EMS** is an energy management system (EMS) that captures, visualises and controls electrical energy behind the grid connection point. It is available in two packages: Basic and Advanced. While Basic already offers peak load management, backup control and multi-use, Advanced extends these features with predictive optimisation.

Basic

- + **Integration of a wide** of meters, DC and AC chargers, PV inverters and heat pumps
- + **Real-time monitoring and control** of energy flows, plus visualisation and analysis of historical data via web portal and app
- + **PV self-consumption maximisation**
- + **Peak load management and atypical grid usage** by reducing peak loads with energy from the battery
- + **Power control** and curtailment of **EV chargers**
- + **Intelligent backup control** through configurable power reduction of controllable devices during a grid outage
- + **Multi-Use** by combining features with detailed scheduling capabilities

Advanced

- + **Optimisation of energy flows**, taking into account consumption and generation forecasts as well as dynamic grid consumption costs and feed-in tariffs
- + **Configurability of individual pricing components**, consisting of dynamic or time-of-use electricity tariffs as well as variable grid costs and demand charges
- + **Combining** energy flow optimisation with peak load management and self-consumption maximisation