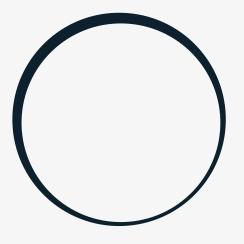


sonnen

Clean and affordable energy for everyone is the biggest challenge of our time. Our goal is a world in which everyone is able to cover their energy needs with a decentralized and clean energy source.

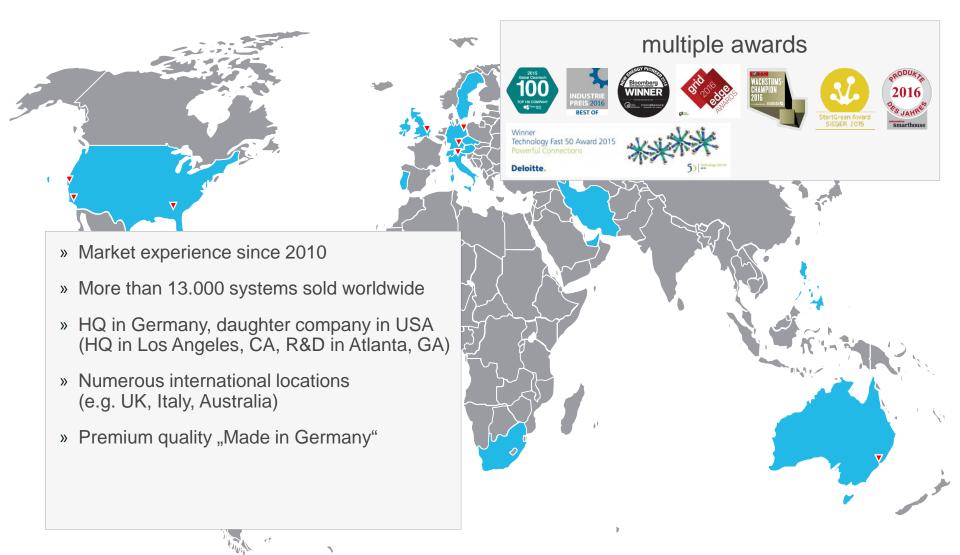


sonnen

energy is yours



Sonnen European market leader for lithium storage systems





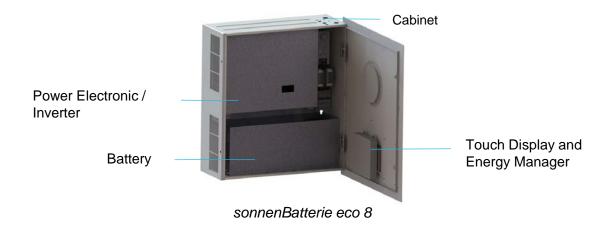


The sonnenBatterie Eco 8

S o n n e n

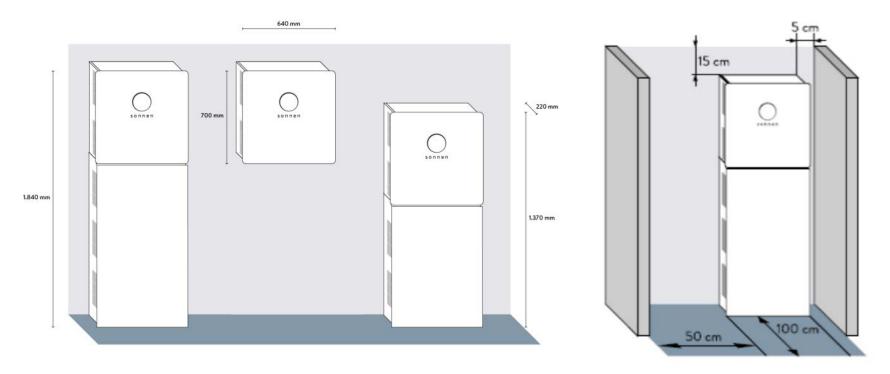
sonnenBatterie Eco 8

- » Fully integrated system (battery pack, inverter & energy manager)
- » AC-coupled, Plug & Play installation easy to install
- » Safe and reliable Lithium-Iron-Phosphate technology designed for a long operational life span
- » Modular setup (4 kWh to 16 kWh, extendable in 2 kWh steps)
- » User-friendly energy management and monitoring



S o n n e n

sonnenBatterie Eco 8



quick and easy plug & play installation

small (up to 10kwh) and large (up to 16kwh) cabinet available

22cm in depth & only very small installation space needed

sonnen GmbH



sonnenBatterie Eco 8 User-friendly energy Additional -features » » management and (e.g., WiFi, remote sockets, web and app) monitoring Weather & Load Forecast Solar Self-Consumption Export and Grid/Energy Services sonnen Optimized selfpreinstalled ports e.g. » » consumption for heat pumps, CHP Weather forecast, etc. self-learning algorithm

DSM & Smart Home

sonnen GmbH

Top 10 USP's sonnenBatterie Eco 8

- "All in one box"- Fully integrated storage system, including battery pack (LiFePO4 cell technology), a battery inverter and intelligent control software
- Modular Modular extendable capacity in 2 kWh steps (4 to 16 kWh) to be perfectly applied to meet the customers needs and its energy consumption
- Safety Safest cell technology on the market; vital point when installed in households
- Cycle-Life Lithium-Ion-Phosphate battery (developed from Sony) with 10.000 cycles and designed for more than 20 years
- Intelligent Shows data from production and consumption side, provides historic data of previous consumptions and uses the weather forecast to optimize the costumer's selfsufficiency rate up to 75 % average in a year
- Data Visibility Customer and Partner can monitor the consumption and energy production via an app available in the app store or a web portal
- Plug & Play Customer and Partner can monitor the consumption and energy production via an app available in the app store or a web portal
- Proof of Concept more than 12.000 Lithium-Ion storage systems installed worldwide; 8th generation of product development
- Warranty 10- year product warranty on the whole system
- Quality Premium quality "Made in Germany"

ECO 8 A unique capability portfolio

sonnen GmbH



Usability High operator convenience



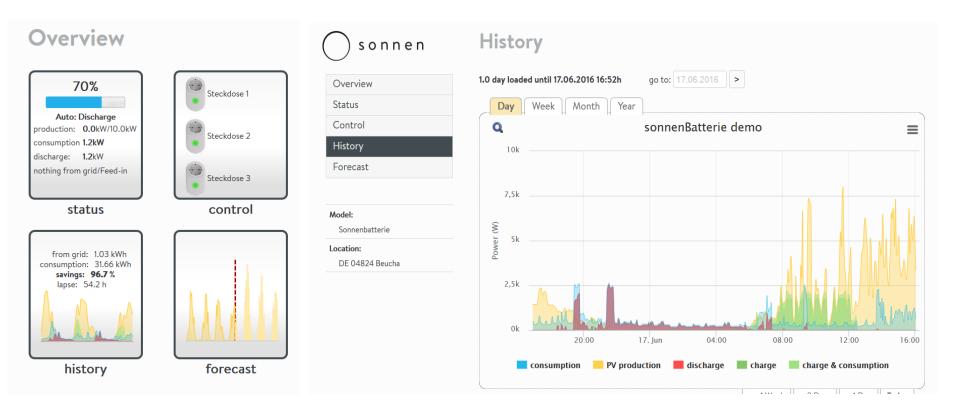
Via

- » touch display
- » Internet Portal
- » Apps for smartphone & tablet



Intelligent Monitoring & Forecast

Online portal with detailled overview meine.sonnenbatterie.de



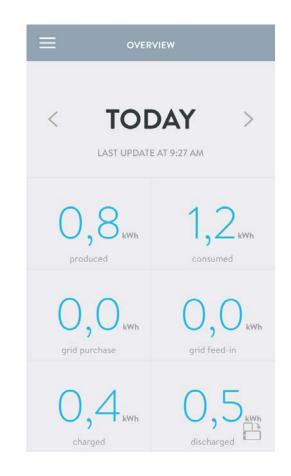
» Operator gains overview of most important information Multiple analysis possible » Possibility to configure system



Intelligent Monitoring & Forecast sonnenApp for iOS & Android





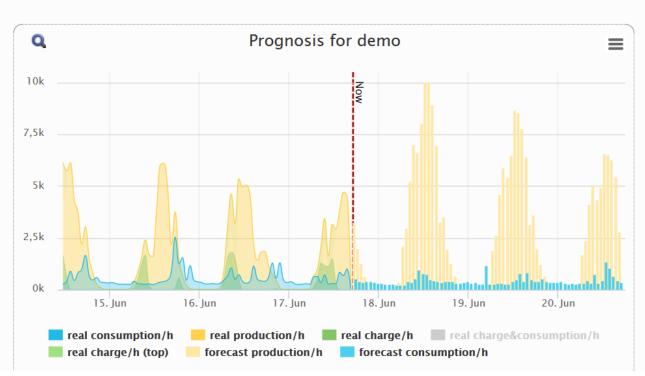




Intelligent Monitoring & Forecast

Forecast for individual storage management

Forecast



- Forecast electricity generation
- Forecast electricity consumption
- » Forecast surplus resp. "peaks"
- Forecast storage requirement

Sonnen product roadmap





- » sonnenBatterie pro (commercial)
- » Lithium-Iron-Phosphate battery, available in 24 kWh and 48 kWh
- » Built-In Intelligence, achieving highest autonomy rates
- » Up to 10 years or 10.000 cycles warranty



- » sonnenBatterie Hybrid
- » DC connected → no PV inverter needed
- » Modular extendable in 2 kWh steps (from 4 kWh up to 16 kWh)
- » Offers all functions of the ECO 8

→ within sonnenCommunity



» sonnenHeater

- » Use 100% of your solar energy yields no more curtailment required
- » 3.5 kW heating cartridge to maximize the private consumption
- » Highly accurate regulations by the sonnenBatterie including your consumption profile and the weather forecast

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- » sonnenThermostate
- » Save up to 25% of your heating costs
- » Smart regulation through Geofencing
- » Quick overview of your heating settings
- » Individual programming of personal heating profile



The sonnenCommunity

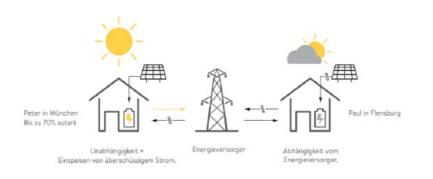


Idea of the sonnenCommunity

The sonnenCommunity connects uniqly private solar installations and sonnenBatteries' to form the first digital and decentralized energy community.

- » Producers and consumers form a virtual electricity pool
- » The intelligent software platform balances energy supply and demand at any time within the community.
- » Produced energy will be shared online, which enables 100% independence of conventional utilities.
- » Small and medium producers can take part in direct marketing actions
- » Electricity is up to 25 % cheaper!

Ohne sonnenCommunity



Mit sonnenCommunity





Energy is yours.