

sonnen

energy is yours



Our goal is clean and  
affordable energy for everyone.

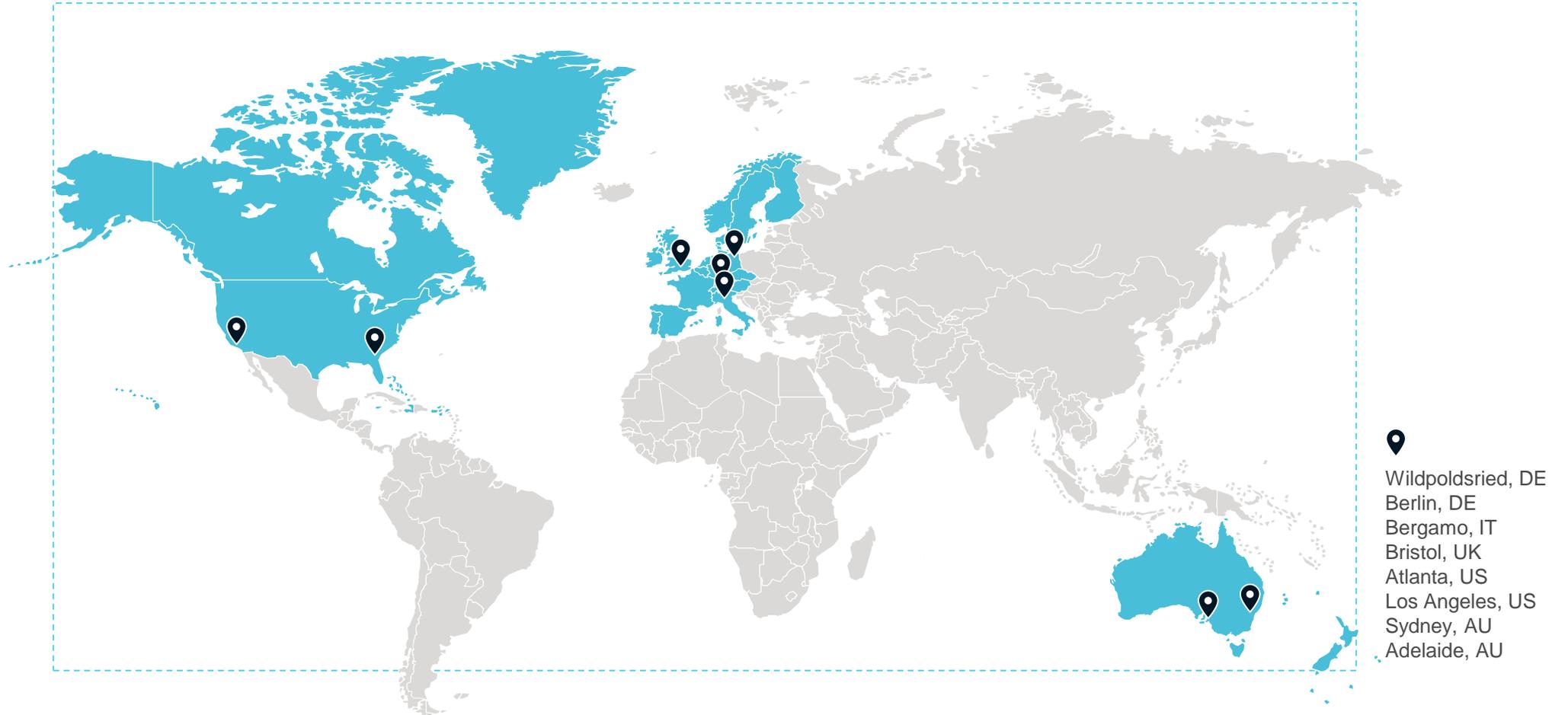


# Who we are.

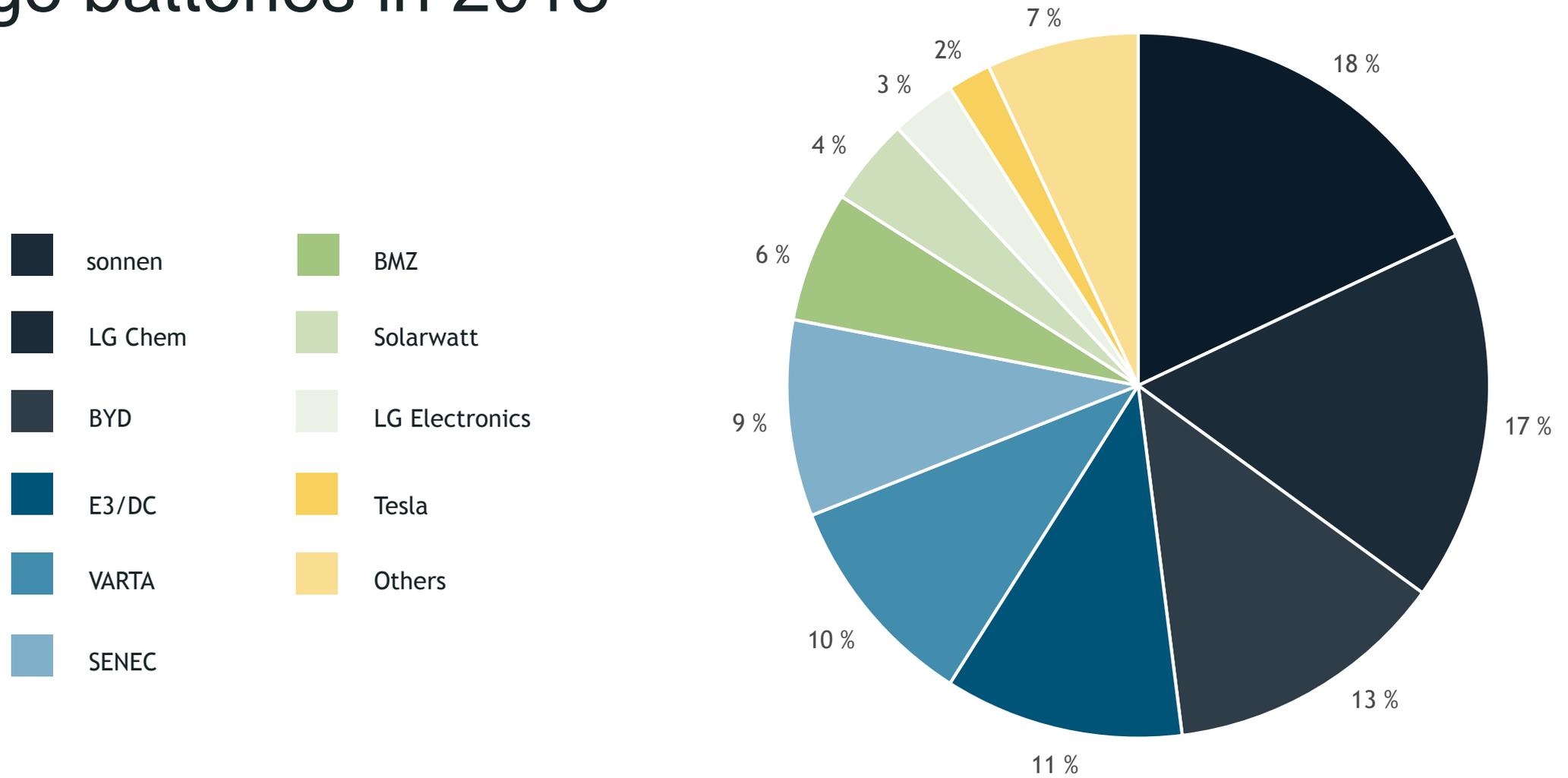
## sonnen

- ... was founded in 2010 by Christoph Ostermann and Thorsten Stiefenhofer
- ... is one of the world's largest manufacturers of battery storage
- ... is one of the fastest growing technology companies in Europe
- ... is the operator of the world's largest virtual battery
- ... has received many national and international awards for innovation and growth
- ... has already installed more than 40,000 storage batteries worldwide
- ... operates with the sonnenCommunity, a one of a kind energy community

# Locations.



# German market share of residential storage batteries in 2018



Source: EuPD Research 5/2019

# 9 years of sonnen.

sonnen was founded by Christoph Ostermann and Torsten Stiefenhofer.

The first **sonnenBatterie comes onto the market**, which is also the first ever deliverable complete lithium-ion system.

The **sonnenBatterie becomes intelligent** and as of now has Smart Home functions (for controlling electrical appliances, comparing weather data, visualising the electricity consumption).

**sonnen launches the sonnenCommunity**, the first community in which people can generate, store, and share their own electricity with others. This makes them completely independent of conventional energy suppliers.

**sonnen launches the free sonnenFlat**, with which sonnenBatterie owners can reduce their electricity costs completely. sonnen thus eliminates the electricity costs.

sonnen launches a project together with IBM and the transmission system operator TenneT in which grid fluctuations are balanced for the first time with a storage pool that is connected to the grid via a blockchain.

sonnen launches the **largest virtual battery** for the electricity grid of the future. For the first time, networked home storage systems supply the whole of Germany with operating reserves for the energy market.

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019



sonnenBatterie classic



sonnenBatterie classic 2.0



sonnenBatterie classic 2.0, comfort



sonnenBatterie classic 2.0, comfort



sonnenBatterie classic 2.0, comfort, eco 5.0



sonnenBatterie eco 7.0



sonnenBatterie eco 8.0



sonnenBatterie city



sonnenCharger

# The energy supply of the future.

## Step 1: hardware sales.

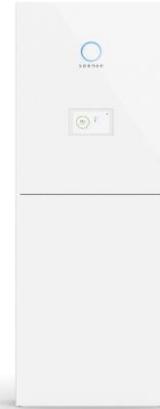
With a sonnenBatterie and a photovoltaic system, a household can produce around 75 % of its own clean and selfgenerated energy each year.

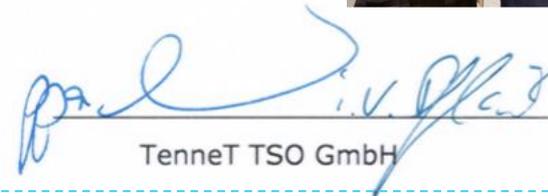
## Step 2: electricity contract.

With the sonnenFlat customers receive a free amount of energy. Thus they feel 100 % independent through the sonnenCommunity.

## Step 3: value generation via VPP.

Value is generated by shifting single customer's focus on 'own use' to an overall optimization via VPP.



  
TenneT TSO GmbH

# The sonnenBatterie.

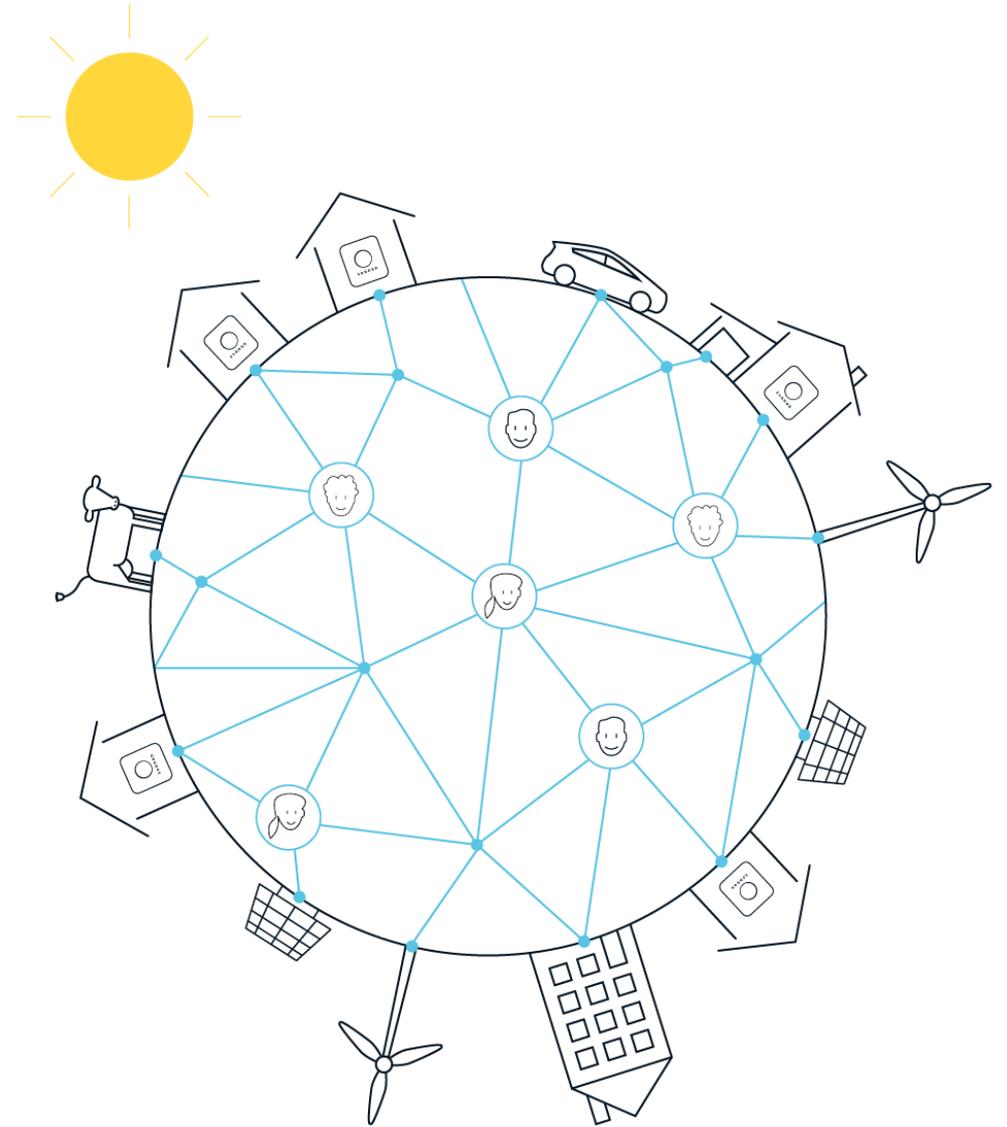
The sonnenBatterie is the world's best-selling electricity storage and reliably supplies over 40,000 households with self-generated electricity. As an interface to the sonnenCommunity, it ensures that people can share their electricity with others. What's more, the aggregation of thousands of sonnenBatteries into a virtual power plant facilitates the stabilisation of the power grid.

- 10-year full warranty
- Extra-long lifespan with over 10,000 charging cycles
- Top quality “Made in Germany”
- Modern, compact all-in-one system
- Smart Home-ready
- Highly scalable
- Safest, most durable cell technology made of lithium iron phosphate
- Intuitive control via touch display, app or portal

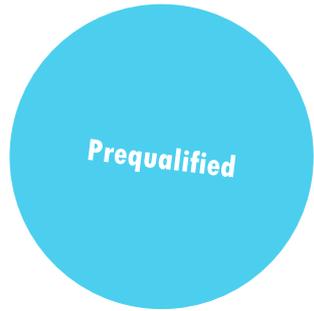


# The sonnenCommunity.

- The sonnenCommunity is the first decentralised energy system that allows its members to share electricity independently.
- Via Europe's largest electricity-sharing platform, members can transparently share clean electricity with each other. Surplus electricity goes into a virtual electricity pool. Those who need it can use it there.
- Thanks to the intelligent network of members, the sonnenCommunity can flexibly manage supply and demand and directly offset the differences between generation and consumption.
- Existing electricity companies will thus be replaced by many smaller, decentralised energy producers. The energy revolution is happening at home.

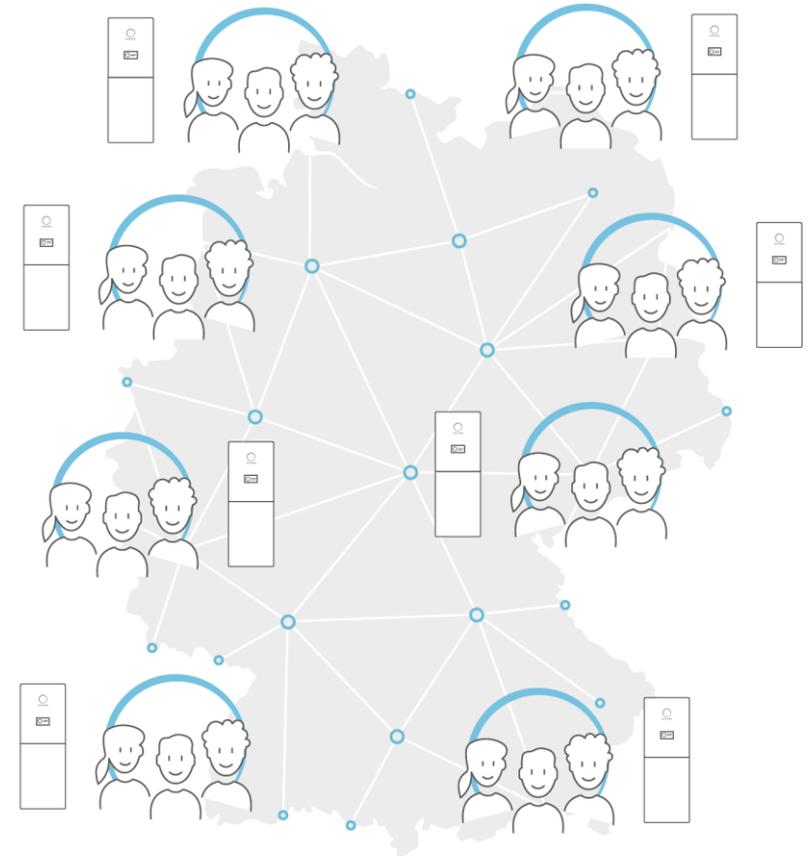


# The sonnenFlat.



The sonnenCommunity stabilises the electricity grid

- Thousand of sonnenBatteries are digitally networked and aggregated into a large, virtual power plant.
- When there are transmission bottlenecks in the grid, the mass storage can supply or absorb electricity as needed and thus contribute to stabilising the grid.
- Energy from renewable sources, which are heavily dependent on the weather, can thus be more flexibly controlled and better exploited.
- This storage capacity, which is being marketed on the energy market, generates revenue and makes it possible to offer the sonnenFlat rate.
- This means up to 800 kWh of free electricity, depending on the chosen package and the respective annual electricity consumption of a household.



# The faces of the sonnenCommunity.

The screenshot shows a web browser window with the URL <https://globe.sonnenbatterie.de>. The page features a map interface with a network overlay of blue nodes and lines. Three user profiles are highlighted with yellow location pins and detailed information cards. Each card includes a photo, name, address, capacity, autonomy, and PV size, along with a 'CONNECT' button. A search bar in the top right is labeled 'Ort finden'. A blue circular callout in the bottom right corner contains the text 'Jetzt Strom für 0 Euro sichern!'.

**Navigation:** Live | Stories | Kennenlernen

**Search:** Ort finden

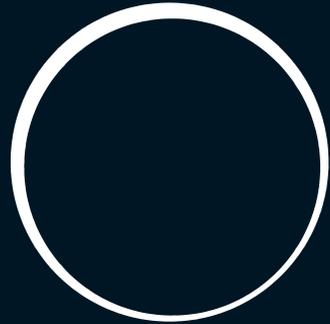
**Profile 1: Familie Hendrick**  
83413 Fridolfing  
Kapazität: 8 kWh  
Autarkie: 79 %  
PV-Größe: 8,7 kWp  
**CONNECT**

**Profile 2: Lisa Lebert**  
83026 Rosenheim  
Kapazität: 8 kWh  
Autarkie: 87 %  
PV-Größe: 9,7 kWp  
**CONNECT**

**Profile 3: Alois Lacher**  
83253 Rimsting  
Kapazität: 8 kWh  
Autarkie: 90 %  
PV-Größe: 9,4 kWp  
**CONNECT**

**Profile 4: Familie Piesker**  
83026 Rosenheim  
Kapazität: 10 kWh  
Autarkie: 87 %  
PV-Größe: 9,8 kWp  
**CONNECT**

**Callout:** Jetzt Strom für 0 Euro sichern!



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