



brAin by
FUERGY

Smart battery storage

Fully automated battery management based on online data and predictions generated by artificial intelligence (AI):

- customer's electricity consumption
- electricity from local PV system
- electricity prices
- situation in the power grid
- electricity supplier's load deviations
- available battery capacity
- AI predictions – weather, consumption, prices
- smart EV charging
- other data



Unbeatable return on investment



Actively reducing carbon emissions



Installed separately or in combination with PV system



Providing the so-called non-certified ancillary services



Customized system for maximum battery capacity utilization



Software and hardware developed by FUERGY

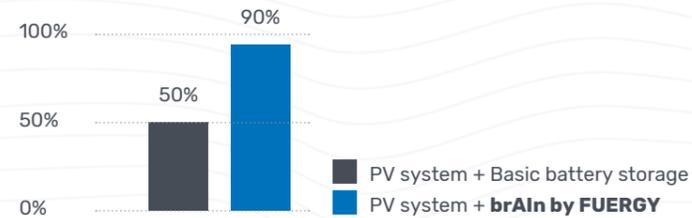
„More than just storing the surplus solar energy or night electricity.“



Benefits of smart battery storage brAI by FUERGY:

- **Reduction of electricity costs**
Battery system with a payback period starting at 1.7 years* with a 15-year battery life guaranteed directly by the manufacturer.

- **More efficient utilization of the PV capacity**



- **Maximum battery capacity utilization**

- **Even better results if combined with flexibility brAI solution**

Smart management of energy sources and technologies with the potential for regulation or accumulation:

- Heat pumps
- Furnaces
- Reservoirs and tanks
- HVAC systems
- Compressors
- PV systems
- Other technologies and energy sources

- **Backup power or UPS functionality**

Reserving a part of the battery capacity solely for protection during power outages.

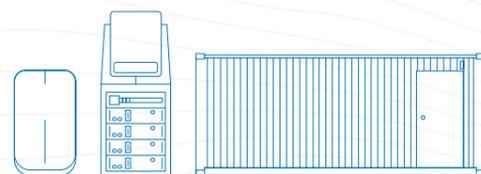
- **Reduction of reserved capacity and reactive power**

Cost optimization on multiple levels.

- **Easy implementation and high scalability:**

- Solution for all types of customers - homes, small and medium-sized enterprises, manufacturing plants, shopping malls, warehouses, or residential complexes.

Non-flammable LiFePO4 batteries suitable for exterior and interior installation.



- Version **Wall**: 4,8 kWh / 7,2 kWh
- Version **Rack**: 12 – 33.6 kWh
- Version **Container**: from 108 kWh

- **Online monitoring, reports and summaries**

- **Suitable for all types of energy markets**

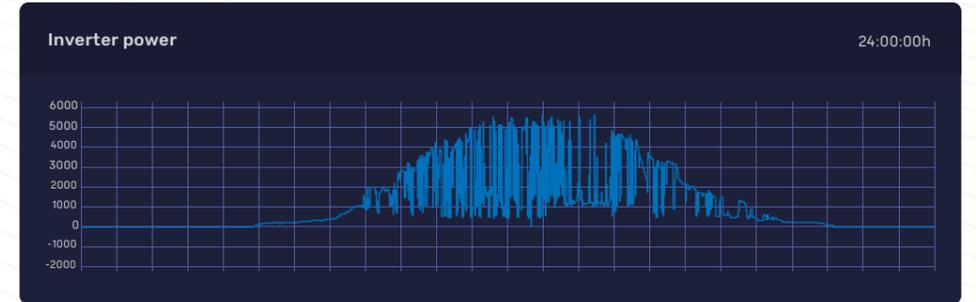
SK, CZ, HU, AT, and others.

- **Option to extend the capacity of brAI by the capacity of EV battery**

FUERGY Smart charger is a specially modified charging station from the company Sminn suitable for plug-in hybrids, electric vehicles or their combination, which is compatible with brAI by FUERGY solution.

- **Battery management compatible with third-party battery storage systems**

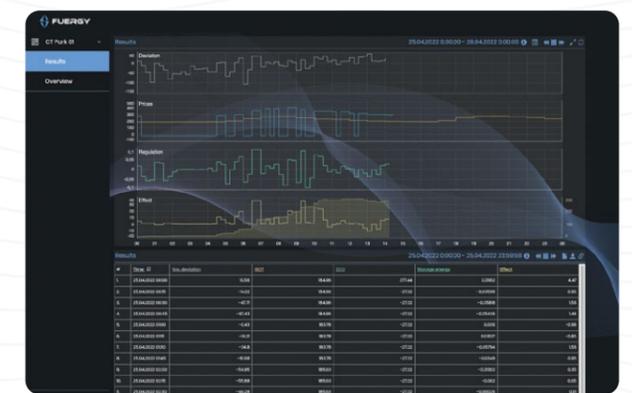
100% brAI
by FUERGY



60% Basic
battery storage



Online monitoring



Reports



Summaries

*applies for 432 kWh battery storage systems brAI and electricity prices in Q3 2022

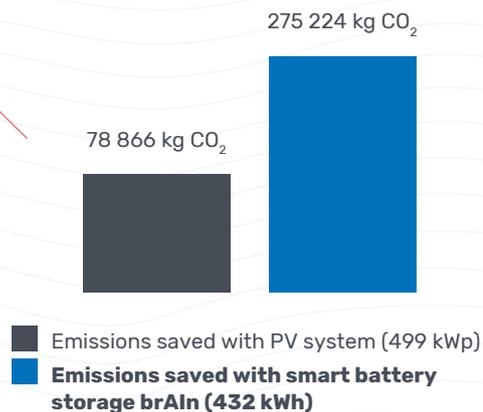
Green energy solution even without PV

FUERGY data for 2021

PV systems have been and still are the company's first choice to achieve more ambitious goals in terms of sustainability. However, not every building's rooftop allows the installation of green energy sources.

Smart battery storage brAln is the solution!

By the well-timed electricity consumption brAln reduces the burden on the power grid and helps to stabilize it. An ancillary service mainly provided by fossil energy sources can be provided by brAln just as efficiently, although faster, cheaper, and with zero emissions.



Today's largest commercial battery storage systems in Slovakia

Automotive factory

High capacity battery storage brAln

Customer:

Yanfeng Slovakia Automotive Interior Systems, Námestovo

432 kWh battery storage | **250 kWp** PV system

Results achieved in Q3 2022:

Payback period → **1.7 years**

Customer's investment costs → **0 EUR**

under the Energy as a Service model



Read more about
this project



Textile factory

High capacity battery storage brAln

Customer:

Müller Textiles, Humenné

864 kWh battery storage | **499 kWp** PV system

Results achieved in Q3 2022:

Payback period → **2.7 years**

Customer's investment costs → **0 EUR**

under the Energy as a Service model



Read more about
this project

