FIBRAIN ENERGY

Comprehensive *energy storage systems*

MANUFACTURED AND DEVELOPED IN POLAND

SOC Wi Fi Bluetooth

The solution for every energy demand

- Polish independent manufacturer
- The only comprehensive energy management system on the market
- Modular system, compatible with most energy solutions
- In-house, customizable solution
- Effective data management (including electricity consumption data)
- Comprehensive support: installation and maintenance

energy.fibrain.com

Energy storage for your business

The solution for every energy demand

Freedom of choice

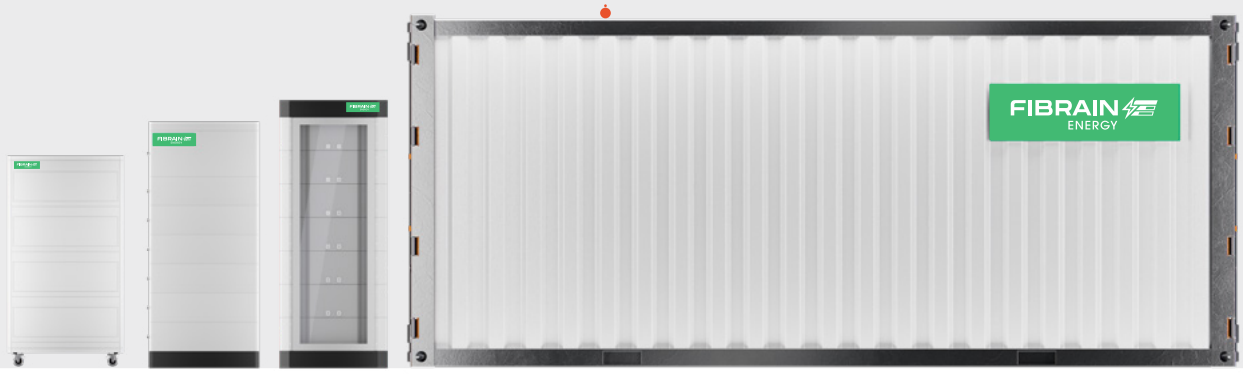
Customised storage power and energy. Fully configurable operating parameters.

Quality and efficiency

Safe LFP technology and Energy Management System (EMS)

Modular design, easy to upgrade

Possibility to increase power and energy to suit future customer needs.



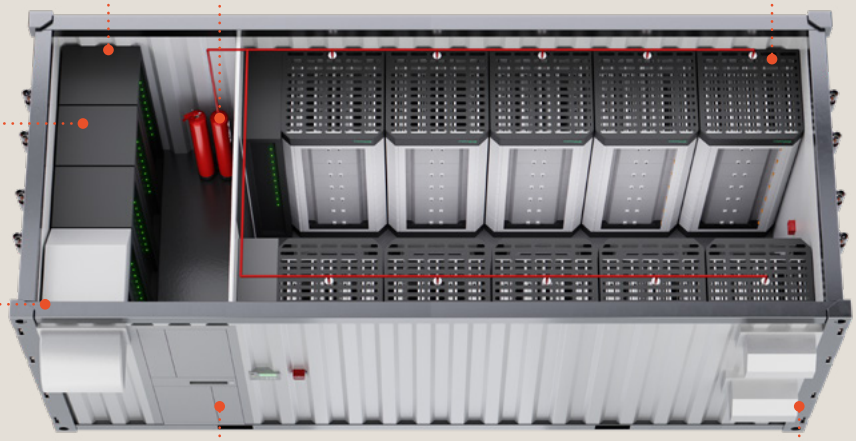
AI-powered Energy Management System (EMS)

Fire protection system

Battery modules

On-grid/Off-grid switch

Power Conversion System (PCS)



Access door with entry control

Temperature control system

Energy storage for your business

FIBRAIN Energy stationary energy storage are manufactured in a modular design with components precisely selected to suit the operating conditions and customer energy demand.

The following is an example of an energy storage configuration built using state-of-art LFP cell technology.

Example configuration

Nominal power	200kWh
Max. operating voltage	800V
Nominal operating voltage	716V
Min. operating voltage	600V
Max. continuous discharge current	tbd.
Permitted operation in the ambient temperature range	0° do +55°C
Recharge cycles	7000*
Permitted operating temperature range, for full charging power	+5° to +40°C
Electromagnetic compatibility	CE
Cells certificate	UN 38.3
Dimensions	2200 x 800 x 800 mm

The use of energy storage is essential to use the full potential of the photovoltaic installation

Energy hoarding has become crucial in the face of constant changes in in tariff prices. Stored electricity can be used to cover high energy demand industries, such as:

- Property developer
- Services and trade
- Manufacturing and processing
- Logistic centers
- Hospitals and public use institutions
- Hotel industry

Quality and efficiency

AI-powered Energy Management System (EMS)

Intelligent BMS providing full safety of energy storage operation through redundant and scalable management technology based on distributed systems. It provides the user with a range of necessary information, i.e. SOC, SOH, possible alarms and safety messages, ensuring long, safe and uninterrupted operation.

Live monitoring

Full monitoring of energy storage parameters to ensure safe operation.

State-of-art LFP cells

Manufactured using safe, proven and environmentally friendly LFP cell technology, ensuring a service life of more than 6,000 cycles.

CAN communication

Full communication with the host system (e.g. SCADA) through the use of the CAN communication protocol.

Fire protection system

Energy storage facilities built on the basis of the safest LFP cell technology, equipped with full monitoring of operating parameters and modern fire protection systems. Integration with a superordinate management system allows monitoring of critical parameters in real time, ensuring safe and uninterrupted operation of the energy storage.

Data security

The proprietary management system used for the energy storage units allows for the secure storage of data on all system parameters. It ensures secure operation and prevents third-party access to all stored information.

The smartest PV system on the market

Contact us

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