STODIA GmbH

Speicher & Diagnosetechnik

eSAVE

STODIA stationary battery

STODIA ᴇSAVE

Stationary battery in modular design

Brief & simple: the important facts

The STODIA ᴇSAVE is scalable in 14 kWh steps up to your desired size. Due to the modular design and a large selection of inverters, the stationary battery has the best flexibility. In addition to its high reliability and availability, the ᴇSAVE can be put into operation easily and quickly.

With the STODIA ᴇSAVE you get an energy battery system that not only convinces with its simple design but also offers a high charging and discharging capacity as well as the option of mobile monitoring of the energy flows via app.

We are happy to be your competent contact partner for questions as well as for project planning, consultation and implementation of your energy battery solution.

The advantages of the STODIA ᴇSAVE

Bilder: Freepik.com

private

industrial

Your advantages

- ▲ high self-sufficiency
- ▲ independence from your energy provider
- ▲ low payback time

- ▲ simple construction
- ▲ uninterruptible power supply
- ▲ low investment risk due to good maintainability
- ▲ subsequently expandable

Our services

- ▲ delivery of eSave system
- ▲ arranging for an installer
- ▲ easy support accessibility via the STODIA app

- ▲ customised design, according to your needs
- ▲ planning of your eSave system
- ▲ easy support accessibility via the STODIA app

Keep the overview
with our self-developed mobile app.

The app shows the visualised representation of:
- ▲ state of charge (SOC)
- ▲ energy flow
- ▲ utilisation
- ▲ status and diagnostic messages
- ▲ statistics

The modular principle, which makes the ISTODIA ESAVE scalable as required, enables a **wide range of possible applications**, e. g.:
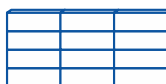
Household

Typical power
Module capacity: **14 - 28 kWh**
Charge/discharge power: **5 - 30 kW**

Industry and trade

Typical power
Module capacity: **28 - 224 kWh**
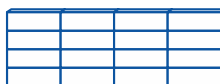Charge/discharge power: **30 -240 kW**

Agriculture

Typical power
Module capacity: **56 - 448 kWh**
Charge/discharge power: **5 - 30 kW**

Hospital

Typical power
Module capacity: **28 - 224 kWh**
Charge/discharge power: **30 -240 kW**

Wind power

Typical power
Module capacity: **56 - 1,000 kWh**
Charge/discharge power: **30 - 240 kW**

Solar field

Typical power
Module capacity: **224 - 2,000 kWh**
Charge/discharge power: **200 - 800 kW**

Hydroelectric power station

Typical power
Module capacity: **224 - 2,000 kWh**
Charge/discharge power: **200 - 800 kW**

ᴇSAVE

provides   your energy

Operation
without restrictions at -5 °C to 45 °C
0 to 100 % state of charge

Perfomance
10-fold power reserve

Structure
short-circuit and overload proof
temperature monitoring of all cell contacts

Cell chemistry
lithium iron

sustainable   &   efficient

Battery cells
industrial cells, individually replaceable

Cell management
monitoring and capacity adjustment

Capacity maintenance
compensation of cell tolerances through
single cell charging (capacity compensation)

Extension
possible at any time over the
entire lifetime due to automatic
capacity compensation

Energetic storage efficiency
greater than 99 % at 0,1 C
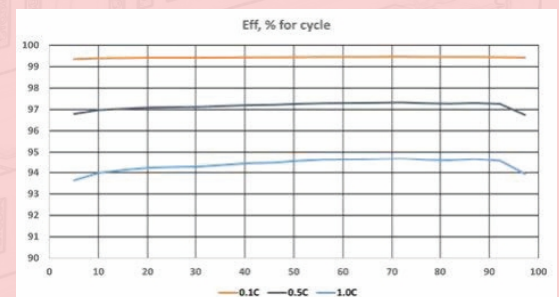greater than 94 % at 1 C

Eff, % for cycle

Diagnosis
function monitoring of all components
and cells for early detection of discrepancies

Maintenance
deviating performance parameters enable
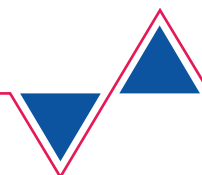plannable maintenance over the entire
service life

Replacement
each component, each cell, can be replaced
at any time by your local specialist partner

Compatibility
voltage, capacity, power and communication
can be adapted to any application

STODIA ᴇSAVE

Overview of the available sizes

Capacity	Overall system power	ᴇSAVE
7 kWh	3 kW 5 kW	ᴇSAVE 7-7
14 kWh	5 kW 10 kW 15 kW	ᴇSAVE 14-15
28 kWh	15 kW	ᴇSAVE 28-15
56 kWh	15 kW 30 kW 45 kW	ᴇSAVE 56-15 ᴇSAVE 56-30 ᴇSAVE 56-60
112 kWh	45 kW	ᴇSAVE 112-60
168 kWh	90 kW	ᴇSAVE 168-90
224 kWh	90 kW	ᴇSAVE 224-120
84 kWh	15 kW	ᴇSAVE 84-92
112 kWh	20 kW	ᴇSAVE 112-132
168 kWh	20 kW	ᴇSAVE 168-185
196 kWh	50 kW	ᴇSAVE 196-216
224 kWh	100 kW	ᴇSAVE 224-247
392 kWh	150 kW	ᴇSAVE 392-216

Note:
More information can be
found on our website and
in the product catalogue

STODIA

For further information or to place order

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