Experience the energy of independence.

VARTA energy storage systems – more than 130 years of battery expertise made in Germany.

VARTA

Where good energy is at home.

We could sit and talk about the energy revolution all day, or you can just start right away in your own home with sustainably produced energy.

With our VARTA energy storage systems, you can also use your self-produced electricity in the evenings, at night or on rainy days - because by moving from consumer to energy supplier, you can increase your consumption of your own self-produced energy to 80% and more. This way you become truly independent - of the weather, grid operators and energy costs.

Now you can sit back and relax, because we at VARTA know what we're doing - we represent more than 130 years of battery expertise made in Germany. That's why we have not only won multiple awards, but are also the first choice among you, our 10,000+ satisfied customers.

What are you waiting for? Become your own energy supplier!

EFFIZIENZ-SIEGER AC-Energiespeicher SPI 91%* STROM SPEICHER Inspektion 2022

EFFIZIENZ-SIEGER AC-Energiespeicher SPI 90,5%* STROM SPEICHER Inspektion 2021

haustec.de PRODUKT DES JAHRES 2020

haustec.de PRODUKT DES JAHRES 2019

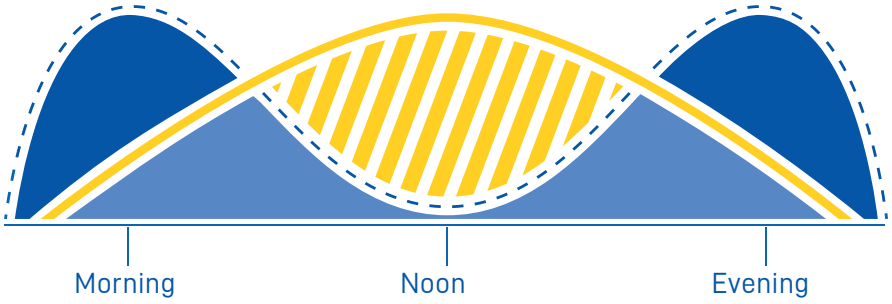
FROST & SULLIVAN 2018 BEST PRACTICES AWARD EUROPEAN RESIDENTIAL BATTERY ENERGY STORAGE PRODUCT LINE STRATEGY LEADERSHIP AWARD

EUPD RESEARCH TOP BRAND PV STORAGE EUROPE 2018

Your own power - anytime and anywhere.

Even the best solar and wind power plants only produce electricity when the weather makes it possible. The rest of the time, you have to fall back on grid power. Therefore, the basic idea of an energy storage system lies within the time difference between the power generation and the actual power consumption.

With a VARTA energy storage unit, you can temporarily store your self-produced electricity and use it when it is needed. This way you can use green energy 24 hours a day!



- Direct self-consumption of photovoltaic
- Additional self-consumption of storage system
- Energy production of photovoltaic

Solar energy 24 hours a day

By storing solar energy during the day, you can cover your energy consumption in the morning and evening.

Our best at a glance.

The demands on energy storage systems may vary depending on the type of building and application, but our aspiration to ensure the best reliability and safety applies to each of our technical solutions.

VARTA pulse neo

Our smallest energy storage system on the market and a smart entry into independence!

As a smart model, the pulse neo is perfectly suited for every smart home thanks to its flexibly expandable VS-XMS operating system and impresses as the efficiency winner among AC-coupled systems in the HTW Berlin energy storage inspection.[1]

VARTA element backup

For maximum independence thanks to emergency backup function and bigger storage capacity.

With our VARTA element backup, you will not be left in the dark in the event of power failure, thanks to its integrated emergency backup function. This ensures maximum independence, even with higher energy needs.

VARTA pulse neo 6

Nominal battery capacity	6,5 kWh
Max. AC charge power	2,5 kW
Max. AC discharge power	2,3 kW
Electrochemistry	Lithium ion (NMC)
Dimensions (w x h x d) in mm	600 x 690 x 186
Weight	65 kg
Power supply	230 V AC, 1-phase, 50 Hz
Control, monitoring	PC, tablet, smartphone
System	AC all-in-one system, including battery inverter
Installation	Wall mounting

VARTA element backup 6, 12 and 18

Nominal battery capacity	6.5 / 13.0 / 19.5 kWh
Max. AC charge power	2.2 / 4.0 / 4.0 kW
Max. AC discharge power	1.8 / 3.7 / 4.0 kW
Electrochemistry	NMC
Dimensions (w x h x d) in mm	600 x 1,176 x 500
Weight	115 / 165 / 215 kg
Power supply	400 V AC, 3-phase, 50 Hz
Control, monitoring	PC, tablet, smartphone
System	AC all-in-one system, including battery inverter
Installation	Free-standing

[1] According to the HTW Berlin 2022 electricity storage inspection in the class up to 5 kW.

Energy storage solutions for commercial applications.

VARTA flex storage E

Big but flexible – optimum energy for your business!

The modular design of VARTA flex storage makes itpossible to individually adjust the output, capacity and functionality according to different requirements. VARTA flex storage systems are optimised for various applications in the commercial sector – from increasing self consumption and peak shaving to acting as an emergency power supply.

VARTA flex storage E

Nominal battery capacity	from 75 to 750 kWh
Nominal system performance[1]	36 / 80 / 120 kW
Electrochemistry	NMC
Dimensions (w x h x d) in mm	Configuration-dependent
Weight	Configuration-dependent
Power supply	400 V AC, 3-phase, 50 Hz
Applications	Self-consumption optimisation, peak-shaving, islanding[2], external setpoint[2]
System	AC all-in-one system, including battery inverter
Installation	Free-standing

[1] Cos ϕ=1
[2] Optional

Be independent and save money.

Set yourself free from increasing energy prices with a VARTA energy storage system. Permanently increase your self-consumption and benefit from consistent energy costs. This way, you are not just saving your own green energy and thus contributing to the energy revolution – you are also saving money!

The purchase of an energy storage system is subsidied by a large number of federal, state and municipal programmes.

Your annual energy bill
4,800 kWh (annual power consumption) x 36 cent/kWh (current average energy price)[1]
EUR 1,728
Your annual energy bill with PV system and VARTA energy storage system (80% of expected degree of self-sufficiency)
960 kWh (drawn from the grid) x 36 cent/kWh (current average energy price)[1]
EUR 345
Annual energy saving
EUR 1,383
Energy saving after 10 years
EUR 13,830

Simplified calculation example
[1] German Association of Energy and Water Industries (BDEW)

Secure a subsidy for your storage system.

Federal state subsidy

Some federal states offer non-repayable subsidies, the amount of which is either a percentage of the investment or a fixed sum of money.

KfW

KfW offers a variety of loans, which can be of interest to people who are interested in storage systems. This includes the Wohngebäude Kredit 261 loan of up to € 150,000 per residential unit and a repayment bonus of up to 25%. With an Effizienzhaus 40 Plus loan, you can save up to € 37,500 in repayments.

Municipal subsidies

Local authorities are free to financially support residents in investing in an energy storage system. You should apply directly to your city or local government.

Subsidies from public utility companies and energy providers

Here is a little insider tip: Some energy suppliers and public utility companies also offer subsidies and support for the installation of energy storage systems. However, there is a small catch: you usually have to be a customer in order to be able to apply for a subsidy from them.

Find subsidy options

It's important to apply for your subsidy programme of choice early. For one thing, energy storage systems usually cannot have already been installed when a subsidy application is submitted. For another, the interest in subsidies is often so high that the funding pool is usually used up quickly.

Good reasons for purchasing a VARTA storage system.

130 years of battery expertise made in Germany

As a battery manufacturer, VARTA is the only provider of energy storage systems to have more than 130 years of battery expertise. So when you choose us you are choosing a brand made in Germany with which you are always on the safe side and also on the way to a green future.

Top performance - voted No. 1

In the annual power storage inspection by HTW Berlin, our VARTA pulse neo achieved top values: With a battery efficiency of 97.8 % and a standby consumption of only 2 watts, the VARTA pulse neo is ahead of all other AC-coupled energy storage systems tested and is the efficiency winner with an SPI value of 91 %.[1]

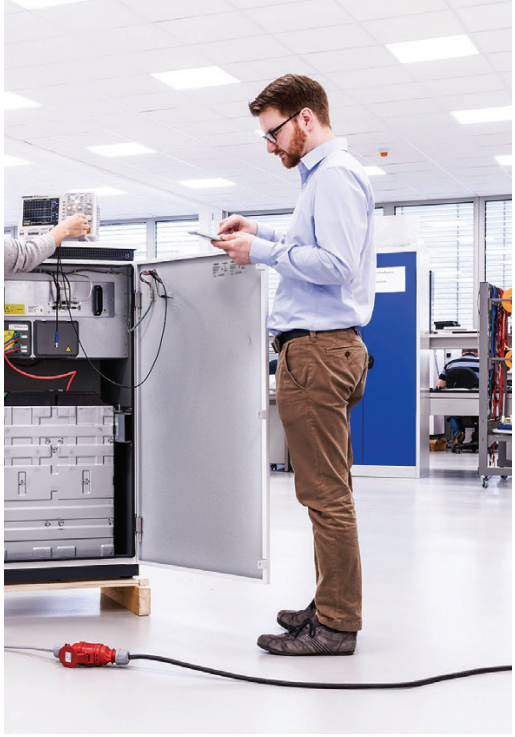
Continuous research and development

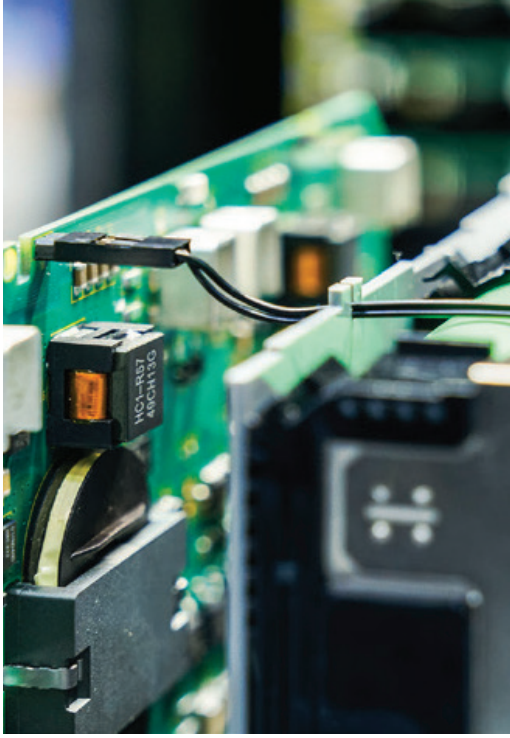
With more than 130 employees in research and development, we are setting the standard for battery technology through continuous investment – now and in the future. We have, for example, developed our smallest energy storage system on the market thanks to maximum energy density in the smallest possible space. With our innovative plug & play technology, we have also made it quick and easy to install the VARTA energy storage systems.

Future-proof and flexible

As AC all-in-one systems, our VARTA energy storage systems have an integrated battery inverter and are perfectly suitable for retrofitting or new installations. The best part is that the storage capacity can be expanded at any time, even after installation.

[1] According to the HTW Berlin 2022 electricity storage inspection in the class up to 5 kW.





Now and in the future.

10 year warranty

As a battery expert made in Germany, we give you a 10 year warranty on the battery modules and optionally 10 years (permanent internet connection) or 5 years (without internet connection) on the storage system – because we know we can rely on our energy storage systems.[1]

Connectivity in smart homes

Thanks to the open operating system, our smart energy storage systems can communicate with nearly any smart home and energy technology components or systems in your home – for a smart future. In addition, you can also easily view and keep track of your energy consumption and production data in the VARTA online portal or in the VARTA app.

A good choice for safety

We make no compromises when it comes to safety: This starts with continuous testing of the material, goes on through production and delivery, and continues with integrated safety electronics and independent switch-off devices for risk-free operation. This way, our system provides failure-free functionality, even during disruptions. That means our energy storage systems are not only safe and reliable, but they are also setting new standards for smart designs – from the special cell chemistry to the energy and battery management system.

Sustainable disposal

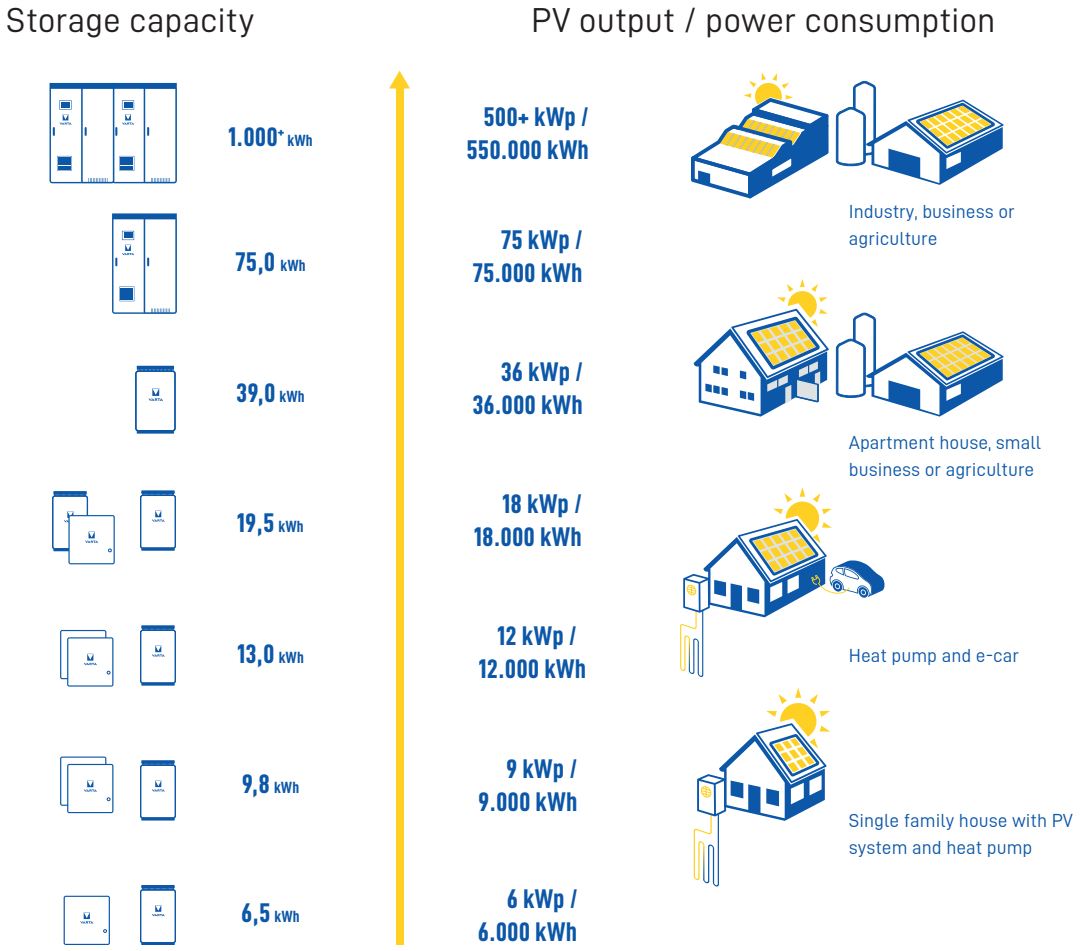
Of course, VARTA also takes care of collecting and professionally disposing your old batteries in order to guarantee the recycling of raw materials in accordance with the applicable regulations.

[1] According to terms of manufacturer's warranties (available at: www.varta-storage.com/service/downloads)


VARTA

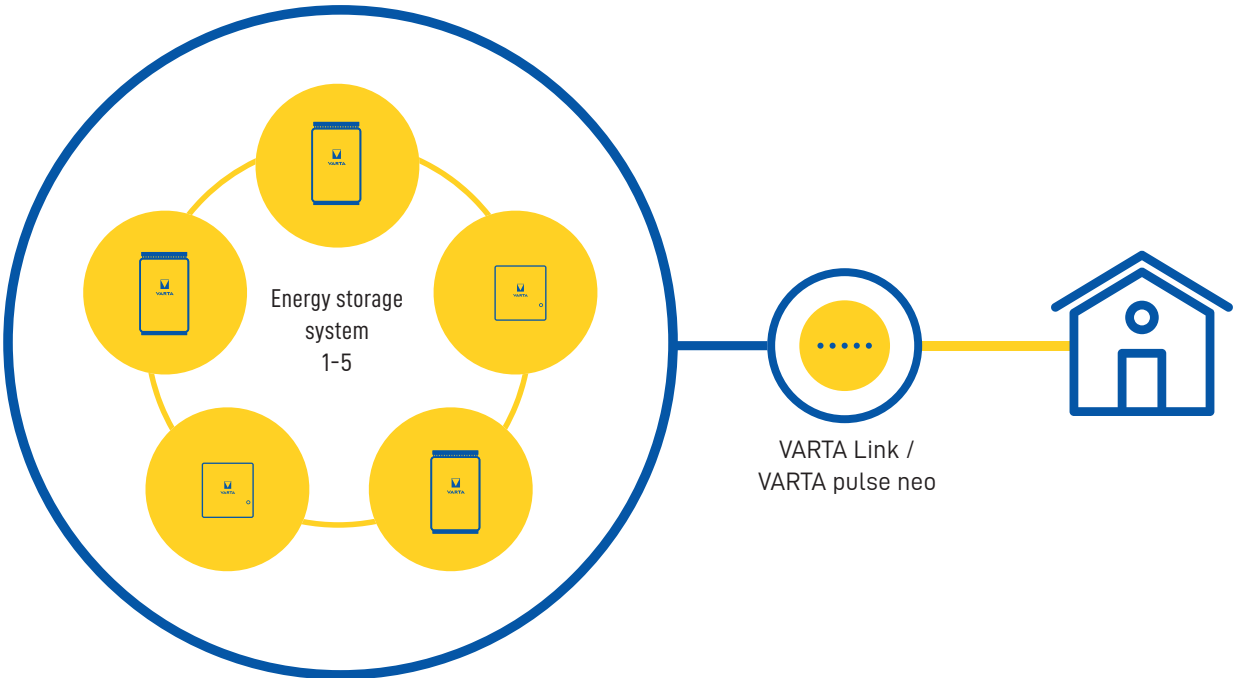
The best solution for every need.

Whether it is a detached house, business or farm – our VARTA energy storage systems are always the right solution for you.



Flexibility now and in the future.

The more the better. By connecting multiple VARTA energy storage systems and thanks to smart energy management, you can increase your storage capacity and output many times over. The best part is that the storage capacity can be expanded at any time, even after installation.



The best connection

By connecting up to five VARTA energy storage systems with VARTA Link, you can increase the overall capacity of the connected storage systems to up to 65 kWh. With our big storage systems, capacity can even exceed 1 MWh. This makes it easy to adapt to increased requirements.

It gets even better. With the VARTA pulse neo, it is possible to connect up to six VARTA energy storage systems without any additional hardware. That means you can increase your gross capacity to up to 71.5 kWh.

Stay on top of things.

Keep on top of your energy storage system using our VARTA online portal or the VARTA Storage app. That means you do not have to be at home to see what is happening – our app makes it possible for you to be able to control your

Transparency

Around the clock, anywhere in the world – monitor your storage system on the go with your smartphone. You can see performance data as well as your self-sufficiency rate and your consumption rate visualised in graphic form. To the day, monthly, annually or over the entire term. You can even access data regarding the weather at home – always up-to-date with just a few clicks.

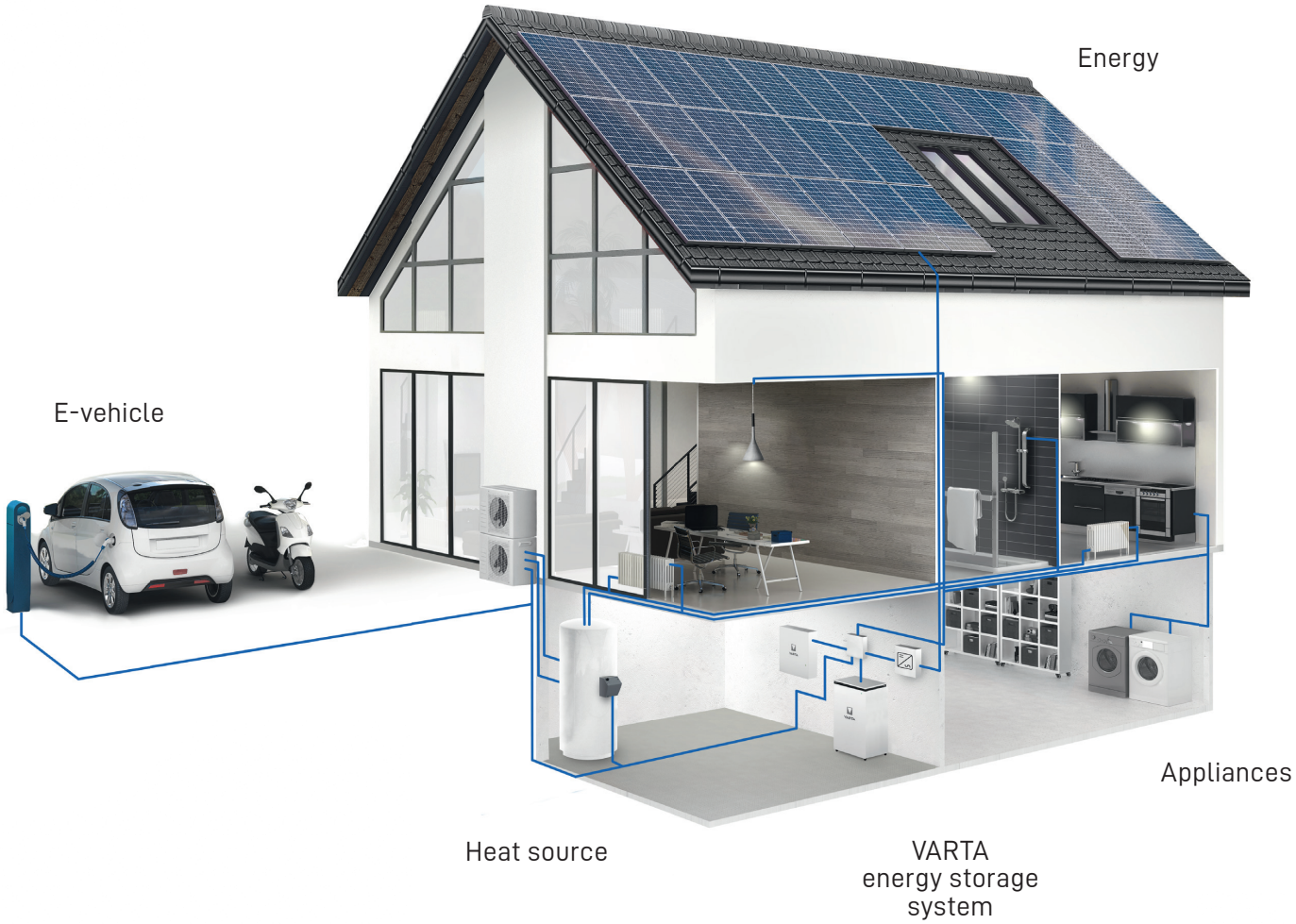
Everything at a glance: graphic representation of your performance data, as well as your self-sufficiency and consumption rate.

Intelligently connected for a smart future.

The benefits of connecting smart appliances and energy you have produced yourself are clear – the efficient allocation of energy enables you to maximise your self-consumption rate and thus significantly reduce your energy costs.

An already existing home network is no problem, in fact, quite the opposite. Thanks to our open operating system, you can integrate various devices and applications such as energy sources, inverters, heat sources, charging stations and smart home applications with any VARTA energy storage system without any issues.

Connectivity in smart home



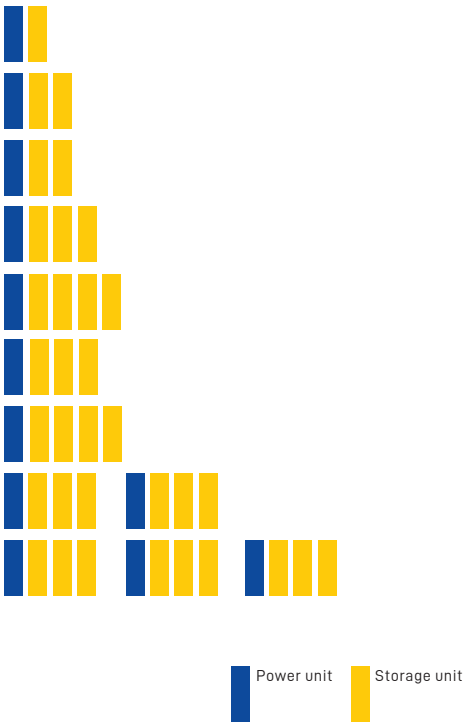
Tailor-made for commercial applications.

VARTA flex storage E

Big but flexible – this motto becomes even more important for commercial energy storage systems. The flex storage systems provide the right solution for anyone who needs a modular system. The turnkey system concept of VARTA flex makes it possible to select the output and capacity separately.

Example configuration

EXAMPLE CONFIGURATION[1]	kW	kWh	d [cm]	h [cm]	w [cm]	CONFIGURATION
VARTA flex storage E 36/75	36	75	67	200	115	
VARTA flex storage E 36/150	36	150	67	200	170	
VARTA flex storage E 80/150	80	150	67	200	210	
VARTA flex storage E 80/225	80	225	67	200	265	
VARTA flex storage E 80/300	80	300	67	200	320	
VARTA flex storage E 120/225	120	225	67	200	265	
VARTA flex storage E 120/300	120	300	67	200	320	
VARTA flex storage E 240/450	240	450	67	200	2 x 265	
VARTA flex storage E 360/675	360	675	67	200	3 x 265	



The best connection

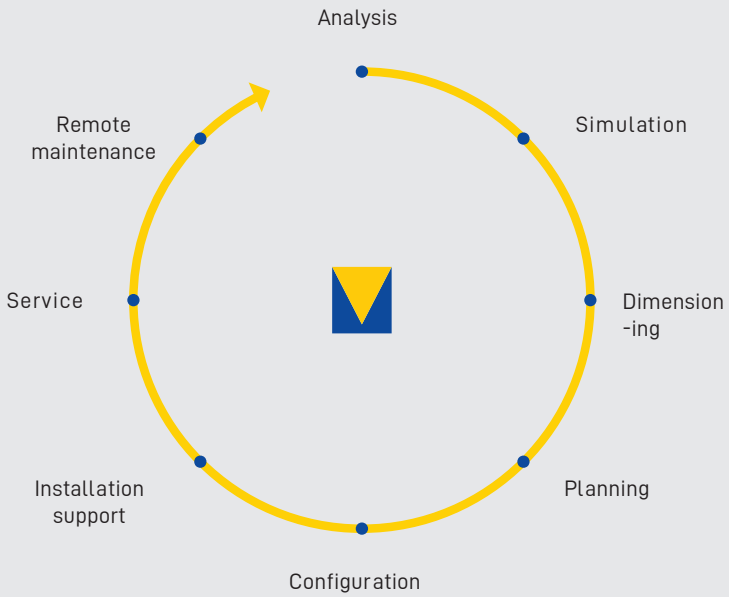
The output spectrum for the AC-coupled VARTA flex storage system ranges from 36 kW to 600 kW, though systems in the megawatt range are also possible. The energy storage systems are configured with modern power cells or energy cells in accordance with specific customer requirements.

[1] Examples for versions without emergency power function - Other combinations (kW and kWh) available. Subject to change without notice.

Our service for more energy.

VARTA flex storage E

From analysis and planning to service and remote maintenance – VARTA Storage provides all-round solutions when it comes to large capacity storage systems.



Our service for your success

Our specialists make sure that every energy storage system meets the high performance and safety standards of VARTA Storage and the customer's specific requirements.

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VARTA Storage GmbH,
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