

Energy management system

VARTA.iq

Smart control of your energy



VARTA



Use energy smarter and save money

With VARTA.iq, you can easily and intelligently manage your self-generated electricity, optimise energy consumption and significantly reduce costs. All conveniently managed in the VARTA.iq app. For a perfectly orchestrated home.



Full control over your connected devices

Determine the power source, time, duration and amount for charging integrated devices such as heat pumps and wallboxes.



All information at a glance

Receive real-time information on error messages, anomalies, live energy flows and forecasts for your power supply.



Cost-optimised grid consumption

Use VARTA.iq to take advantage of dynamic electricity tariffs and draw power from the grid when it is cheap and fits your charging schedule.



Customised storage control

Set the appropriate mode for controlling your energy storage system according to your needs – from charging limits and caps to peak shaving and tariff-optimised control.



Backup of your data on German servers

Your data is subject to strict German data protection guidelines.



Ready for tomorrow's requirements

We comply with legal requirements such as § 14a of the Energy Industry Act (EnWG) and are ready for all future requirements.

The smart base

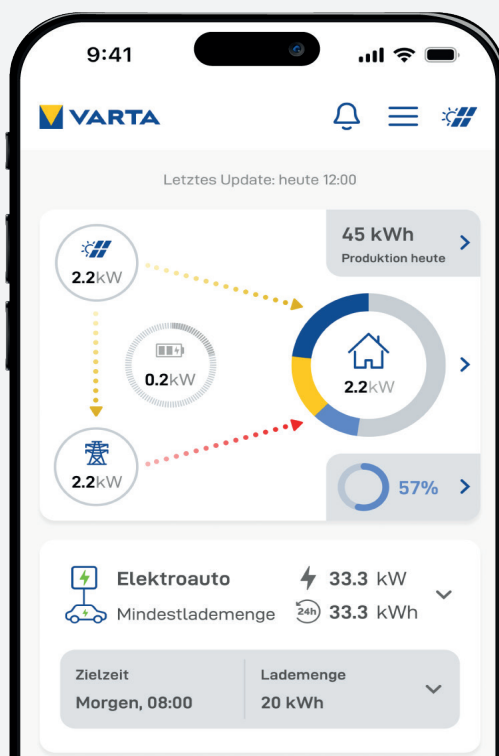
The VARTA.iq.link is compatible with over 300 devices and can therefore be easily integrated into your individual network. Start with all the basic functions right from the start, which can flexibly grow with your needs and additional devices.

In the basic package, you have full control over your energy through:

- ▼ 100 % manufacturer-independent: integration of over 300 devices such as heat pumps, charging stations and smart plugs is possible
- ▼ Control of all devices based on dynamic electricity tariffs with free choice of supplier
- ▼ Visualisation of all your energy flows in high resolution, including historical data
- ▼ Additional savings on grid fees through grid contribution (§ 14a EnWG, § 9 EEG)
- ▼ Integration of any number of VARTA storage units
- ▼ Local data storage for several days in the event of internet outages

Charge your car intelligently and efficiently with green energy

Connect VARTA.iq to your wallbox and boost your contribution to the environment by charging your electric car intelligently. Thanks to compatibility with standard wallboxes, you can customise:



Which energy source your vehicle should use:
Solar power or mains power, depending on time and price

How much your vehicle should charge:
Minimum charge level, specific charge level or full charge

How your vehicle is charged:
Minimum charging current, constant current or maximum power



For all energy professionals

Energy professionals with additional requirements can control even more devices with the VARTA.iq Pro upgrade, use bidirectional charging with their electric car and comprehensively track consumption anomalies.

In the Pro package, in addition to the basic functions, you have maximum control over:

- ▼ AI-supported optimisation across all compatible devices, taking all data into account
- ▼ Targeted charging using live data from the electric vehicle (range and battery level)
- ▼ Detection of consumption anomalies for early identification of deviations
- ▼ Unique smart heat pump control system with proven track record for further cost savings
- ▼ Communication support for bidirectional charging
- ▼ Processing of control commands for power limitation (e. g. § 14a EnWG) via EEBUS
- ▼ Peak shaving to reduce peak loads and grid connection costs

Bidirectional charging



With the upgrade to VARTA.iq Pro, you already have the features you'll need tomorrow to optimally coordinate your household. The bidirectional charging function not only allows you to charge your electric car's battery individually, but also to your home network and use it as an additional smart energy storage solution. Charge your electric car with surplus solar power that is not needed in the household during the day. In the evening or when solar generation is low, this energy is available to you again – directly from the car. This allows you to keep even more of the electricity you generate within your own household and reduce your grid consumption and the resulting electricity costs.

Your Pro benefits at a glance

With VARTA.iq Pro, you can intelligently coordinate and synchronise your energy storage system, electric cars, household appliances and electricity tariffs. The system takes into account charge levels, usage times, electricity prices and individual settings – and can be controlled either fully automatically or manually.

- ▼ Higher self-consumption through the smart use of your solar power
- ▼ Reduced grid consumption during expensive tariff periods
- ▼ Greater self-sufficiency and security of supply
- ▼ Flexible use of the vehicle battery as additional energy storage



Simply activate

From June 2026, take advantage of our Pro features with our flexible subscription model. You can easily activate the upgrade in your VARTA.iq app. All Pro features will then be available to you straight away.

Overview of our packages

With VARTA.iq, every home can be controlled individually – whether using the Basic features or the VARTA.iq Pro package for even more connectivity.

	VARTA.iq Basic No subscription needed	VARTA.iq Pro Available with a Pro subscription from June 2026
Opt. of self-consumption	✓ approx. 300 devices	✓ over 700 devices
Dynamic electricity tariffs	✓	✓
Visualisation	✓	✓
Wallbox compatibility	✓ 17 models	✓ over 60 models
Heat pump compatibility	✓ via SG-ready	✓
Smart plug compatibility	✓	✓
Monitoring & alerts	✓	✓
Smart PV forecasting		✓
EEBUS communication		✓
Anomaly detection		✓
Peak shaving		✓
Heating element control		✓
Vehicle information (SoC)		✓
Bidirectional charging		✓

Further details on the functions of the VARTA.iq Basic and Pro packages can be found in the VARTA.iq compatibility list or in our VARTA.iq operating instructions.

More information about VARTA.iq



To VARTA.iq
website

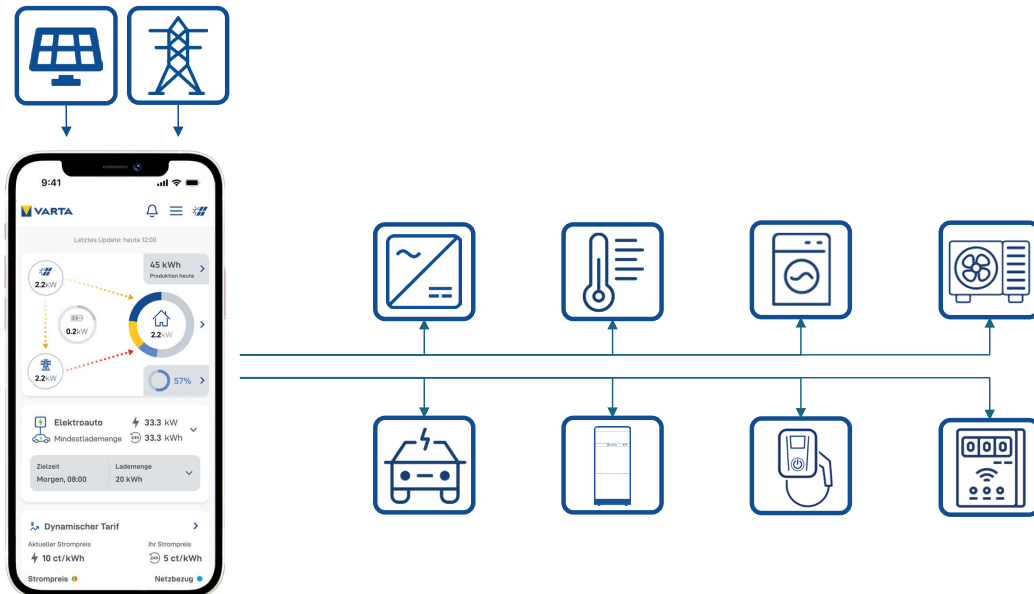


To VARTA.iq
user manual



To VARTA.iq
compatibility list

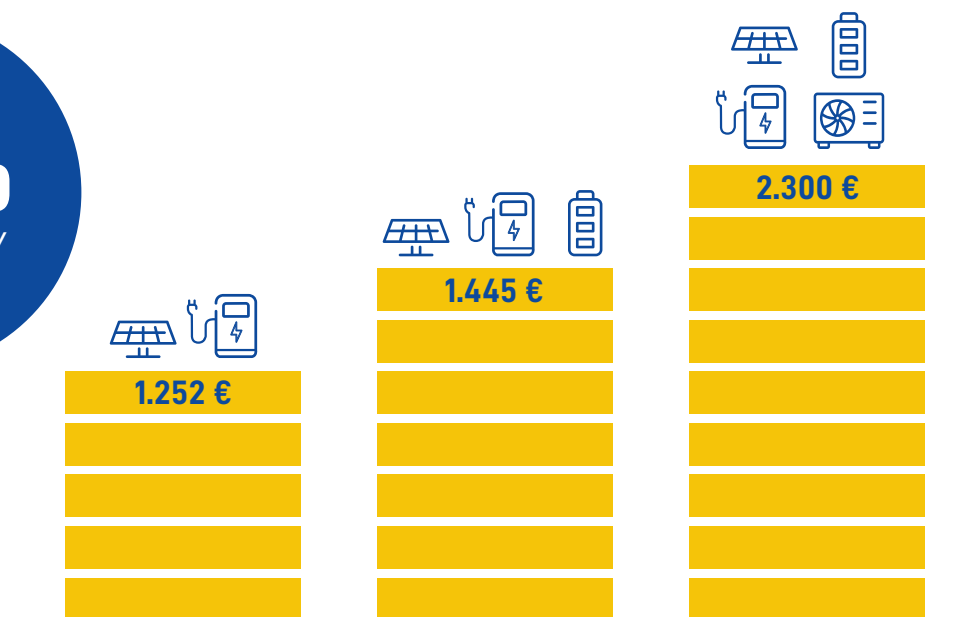
Blends perfectly into your home



The sun isn't shining?

No problem – the VARTA.iq automatically finds a suitable energy source. Even without your own PV system, you can benefit from affordable electricity, as the VARTA.iq optimises with dynamic tariffs and adapts to your energy consumption.

SAVE UP TO
50%
ELECTRICITY
COSTS



Potential savings – use case

TECHNICAL DATA



VARTA.iq.link

Connections

Digital inputs	230 V
Digital output	230 V, max. 4 A (approx. 900 W), resistive load only
Analogue output	0–10 V
Ethernet (LAN)	1x RJ45, GBit
Serial connection	1x RS-485, galvanically isolated, with 120 Ω termination

Hardware

Mounting	DIN rail (35 mm)
Gateway dimensions	71 mm (4 TE) x 90 mm x 59 mm
Power supply unit dimensions	18 mm (1 TE) x 93 mm x 59 mm
Packaging dimensions (WxHxD)	100 x 95 x 75 mm
Gateway weight	139 g
Weight including accessories and packaging	269 g
Temperature range	0 °C to +55 °C
Housing material	Plastic

Power supply

Input voltage	110–230 V AC (50/60 Hz)
Output voltage / Gateway power supply	24 V DC (+15 %), 200 mA (max.)
Languages	DE, EN, IT
Commissioning	VARTA.iq App web portal iq.varta.energy

Certificates / Standards

CE
 EN IEC62368-1:2020 + A11:2020
 EN IEC60669-2-1:2022 + A11:2022
 EN IEC61000-6-3:2021
 EN IEC61000-6-1:2019
 EN IEC 63000:2018
 No 1907/2006

VARTA Storage GmbH, a company of VARTA AG

www.varta-ag.com

Technical changes and errors excepted. You can find the latest version of the data sheet here:
<https://www.varta-ag.com/de/konsument/service/downloads-energiespeicher>