The Intelligent Energy Ecosystem. Designed Around You.

One system. One control. More from your energy.

From single-family homes to commercial sites: MidTeQ connects generation, storage, heat and mobility into one intelligent energy ecosystem.





ECOSYSTEM

Your energy. Intelligently connected.

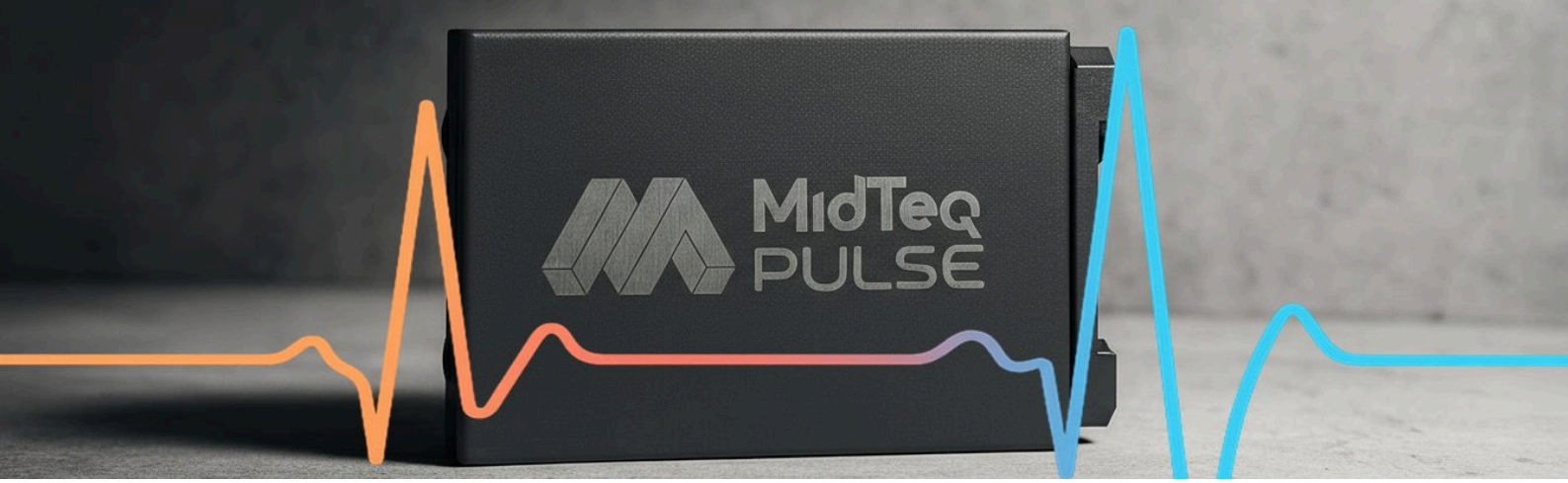
Photovoltaics, battery storage, heat pump, hot water and e-mobility work best when they don’t operate separately from one another.

That’s exactly what MidTeQ PULSE is for.

PULSE connects the components of your energy system and coordinates them centrally. Generation, storage and consumption no longer work independently of each other, but as one aligned system.

Individual devices become an energy ecosystem that works as a whole.

That’s what sets MidTeQ apart: A complete energy ecosystem from a European brand, with personal support, data storage in the EU and a network of certified installers and partners in your region.



INTELLIGENT CONTROL

More from every kilowatt hour.

MidTeQ PULSE energy management system

Your PV system generates energy. PULSE makes sure you use it as intelligently as possible.

Instead of simply feeding surplus solar power into the grid, PULSE can direct it to battery storage, hot water, the heat pump or e-mobility.

At the same time, the system takes into account weather forecasts, your energy demand and – with dynamic tariffs – electricity prices throughout the day.

This way, energy can be stored or used when it makes the most sense.

Through a Virtual Power Plant, PULSE also lets you share energy between multiple connection points in real time.

The result: Higher self-consumption, less unnecessary grid draw and more control over your energy costs.

Automatic, not manual

PULSE optimises energy flows automatically in the background.

Make use of dynamic tariffs

Low-price hours can be used specifically for drawing and storing energy.

Software from Europe

PULSE is developed in the European Union.

Data in Europe

Your energy data is stored within the European Union.



EVERYTHING IN VIEW

Your energy. Always in view.

MidTeQ PULSE App

How much power is your solar system generating right now? How full is your battery? And how much energy is your home using?

With the MidTeQ PULSE App, the answers are always at hand. Clearly presented, easy to understand and in real time.

Clear charts show where your energy comes from, where it flows and how your consumption develops.

You can also manage settings and energy priorities centrally. Whether you're at home or on the go.

Complex energy technology becomes a system you always understand and stay in control of.

Everything at a glance

Solar generation, battery storage, consumption and grid draw clearly in one app.

Energy made easy

Real-time data and clear charts make your energy flows transparent.

Control wherever you are

Manage settings and energy priorities conveniently, even on the go.

Your data stays in Europe

Relevant energy data stored within the EU in line with GDPR.

Available functions depend on the installed and compatible components and on the system configuration.



HEAT

Solar energy that keeps you warm.

MidTeQ HeatX hot water and heating control

Why feed surplus solar power into the grid when you can use it directly for hot water?

Combined with PULSE, HeatX automatically detects available PV surplus and uses it specifically to heat water. Energy the household doesn't need at that moment can be converted directly into heat.

Instead of heating water only on fixed schedules, HeatX follows the energy that is actually available.

That means: Using more solar energy in your own home and giving less valuable energy away to the grid.

You'll notice it compared with conventional gas water heating, too: Self-generated electricity preheats the water and reduces gas consumption from the first sunny day after installation.



STORAGE

Your energy. Even when the sun isn’t shining.

MidTeQ battery storage

Generate by day. Use in the evening.

The modular battery storage makes your solar power available exactly when you need it: In the evening, at night or when demand is higher.

And when your energy needs change, the storage simply grows with you: Additional battery modules can be added later.

Modular from 10 to 75 kWh

Flexibly expandable as your energy demand grows.

More than 8,000 charge cycles

Designed for a long service life and reliable daily use.

Reliable in the cold

The integrated heating supports reliable operation even at low temperatures.

Power when it’s needed

Designed for high-load appliances such as heat pumps, cookers or e-mobility.

High-voltage architecture, LFP with dedicated BMS per module · 400 V nominal voltage (350–435 V) · 0.6 C charge/discharge rate · 90 % depth of discharge · IP65 · −20 °C to +55 °C · CAN / RS485 · TÜV Rheinland certified · 10-year warranty



CONVERSION

Power you can rely on.

MidTeQ hybrid inverter

The inverter is the powerful link between PV system, battery storage, home and power grid.

It converts the generated energy efficiently and makes sure it’s available where it’s needed.

Together with the battery storage, it also forms the basis of a powerful backup power supply. If the public grid fails, switchover takes less than 10 milliseconds.

Fast backup power during outages

Switchover in less than 10 milliseconds – for an uninterrupted supply.

More than 98 % efficiency

High efficiency for minimal conversion losses.

Quiet operation

Below 25 dB – ideal for living spaces, too.

High power reserves

Also designed for demanding appliances and short-term peak loads.

3-phase · 200 % power boost for 60 s · AC and DC coupling · IP65 · TÜV Rheinland certified · 10-year warranty



CHARGING

Your car charges when it makes the most sense.

MidTeQ wallbox

E-mobility is especially attractive when your vehicle uses as much self-generated energy as possible.

PULSE matches charging to the energy available in the home. Solar surplus can be used first, and low-price hours can be taken into account.

Your vehicle doesn’t just charge. It becomes part of your intelligent energy system.

Up to 22 kW charging power

Three-phase charging for short charging times.

PV-optimised charging

Use available solar surplus specifically for your vehicle.

Intelligently controlled

Plan charging times around energy availability and electricity price.

Ready for the future

Designed to intelligently connect home, energy and mobility.

32 A per phase · Type 2, tethered cable · bidirectional per ISO 15118-20 (variant) · RFID · OCPP 1.6J and 2.0.1 · IP55 / IK10 · wall or pedestal



INTELLIGENT HEATING

Heat that thinks with your energy.

ERA heat pump - powered by MidTeQ

Heating, cooling and hot water. While using your own energy as efficiently as possible.

The powerful air-to-water heat pump uses the energy in the ambient air to reliably heat your home. Even at low outdoor temperatures.

Combined with MidTeQ PULSE, the heat pump becomes part of your intelligent energy system. Available solar power and low-price hours can be used specifically for generating heat.

Efficient heating technology becomes a well-thought-out interplay of energy generation, consumption and living comfort.

High energy efficiency

Up to A+++ and a SCOP of 5.18 for particularly efficient heating.

Heating, cooling, hot water

One solution for comfortable temperatures and a reliable hot water supply.

Natural refrigerant R290

Modern heating technology with a low global warming potential refrigerant.

Intelligently connected

Use solar surplus and low-price hours for heat generation with MidTeQ PULSE.

6 to 16 kW heating capacity · SCOP up to 5.18 · energy class up to A+++ · natural refrigerant R290 · flow temperature up to 75 °C · heating from −25 °C to +43 °C · Wi-Fi control · 10-year compressor warranty · 5-year product warranty



ABOUT US

European energy. Intelligently designed.

MidTeQ is a brand of Midcosta, a European group of companies with locations in Germany and Slovakia.

Combining European expertise with our dedicated team in China, MidTeQ ensures carefully selected manufacturing partners, reliable sourcing and consistent quality standards.

The brand connects photovoltaics, battery storage, intelligent energy management, heat and e-mobility into one integrated energy ecosystem.

MidTeq

The Intelligent Energy Ecosystem. Designed Around You.

CONNECTED — INTELLIGENT — PERSONAL

www.midteq.com