



One Manufacturer. One App.

One ecosystem. Perfectly connected.

Maximum efficiency through AI-based energy management.





Intelligent energy management

PULSE connects all MidTeQ components into a perfectly coordinated overall system – for optimal use of your solar energy.

Smart charging & discharging

Based on electricity prices, weather, and consumption data, PULSE automatically decides when your PrimePower Battery charges or discharges – for maximum savings.

Energy trading made easy

PULSE can intelligently trade surplus energy on the market to generate additional returns – fully automatically.

Backup power supply

If the grid fails, PULSE reliably supplies you with energy from the battery and PV – for light, heat and security.



Connect all your devices. MidTeQ PULSE

The MidTeQ ecosystem is one of Europe's few fully integrated energy systems – every component from a single source, perfectly adapted for each other. The AI-driven system, PULSE, connects all MidTeQ components – inverter, battery, wallbox, heat pump and water heating – into one intelligent overall system.

Perfectly adapted to your everyday life – PULSE ensures efficient energy use year-round, summer and winter alike.

The strength of the system lies in its constant development – the ecosystem grows continuously and is regularly expanded with new components for further increase of efficiency, comfort and savings.



Autonomous storage operation

PULSE manages your PrimePower Battery independently: charge during the day, use it at night – for maximum independence from the power grid.

Intelligent charging of your EV

Excess solar power is routed directly to your PowerCharge wallbox. PULSE ensures your car runs on solar energy.

**Coming soon: Launch Q1 / 2026*

Efficient heat with ThermalCore

PULSE intelligently integrates your heat pump into the energy system – heating when solar power is available and saving when power is expensive.

**Coming soon: Launch Q2 / 2026*

Full real-time transparency

With the MidTeQ PULSE app you can see production, consumption, and storage status at any time – your data remains secure in the EU.



Hot water from solar power. MidTeQ HeatX

Solar energy, converted into hot water.

MidTeQ HeatX uses surplus energy from your PV system or battery. The system automatically detects when more power is produced than consumed and directs that energy specifically into the hot-water tank – turning your boiler into an intelligent energy store.

Efficient. Smart. Cost-saving.

MidTeQ HeatX controls hot-water production dynamically – exactly when it is energetically and economically sensible. It lowers your hot-water costs by using self-generated power instead of expensive grid power.

Noticeably lower costs. Noticeably more independence.

A family of four saves up to €600 per year with MidTeQ HeatX – solely through the use of solar power. This makes you more independent from the grid and turns solar energy into cozy warmth for your home.

Potential savings with MidTeQ PULSE

Example calculation: 10 kWp PV system

Baseline:

11,400 kWh PV production/year • 9,700 kWh consumption • €0.30/kWh purchase price • €0.08/kWh feed-in tariff

Scenario	Self-consumption	Grid purchase	Cost	Revenue	Annual balance
Without EMS	45% (5.130 kWh)	4.570 kWh	1.371 €	502 €	869 €
With PULSE	80% (9.120 kWh)	580 kWh	174 €	182 €	-8 €

Savings: approx. €877 per year.

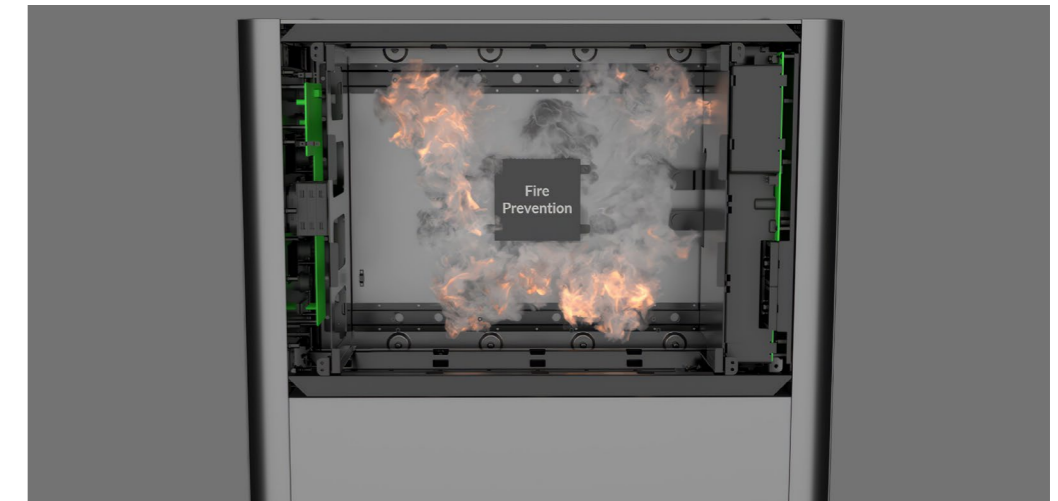
Through intelligent control of heat pump, hot water and battery storage you achieve almost complete energy self-sufficiency (94%) with virtually zero energy costs.

Save even more with dynamic electricity tariffs

PULSE can intelligently trade your energy surplus on the market – for higher returns without any action on your part.

*The stated values may vary and are only achievable in combination with a MidTeQ complete system. Participation in energy trading depends on regulatory conditions and your energy provider.





Safe. Modular. Ready for any challenge. PrimePower Battery

Energy without a winter break

Your home stays supplied – even when temperatures are below zero. The integrated heating technology activates automatically in frost and delivers full performance when it really counts. At the same time, your system remains energy-efficient: it only heats when necessary – saving self-consumption and delivering maximum performance.

With IP65 certification, your energy system is also optimally protected against dust and water jets – ready for any weather.

Rely on your energy system – year-round.

Flexible. Future-proof. Ready for more.

MidTeQ grows with you – from 10 to 75 kWh. Each battery module provides 5 kWh of storage capacity. The smart master-slave architecture allows you to expand your battery storage up to 75 kWh at any time later. Whether you start small today or expand big tomorrow – your system adapts to your needs, not the other way around.

Maximum safety

Multi-stage protection system & fire protection – for your home.

Protection against deep discharge

Automatic shutdown when minimum voltage is undershot thanks to 90% DoD.

Strong performance, long lifetime

Over 8,000 charge cycles for maximum service life and reliability.

Perfect compatibility

Seamless interaction with the PrimePower Hybrid Inverter.

Ready for peak loads

12 kW peak output – with a 15 kWh battery set.

Predictive maintenance

Intelligent remote diagnostics – down to the cell level.

Designed in Germany

Engineered to the highest standards, with on-site technical support.





Efficient. Intelligent. Future-proof. PrimePower Hybrid Inverter 3-phase

Maximum backup power – power when you need it

With true backup capability, ultra-fast switchover in under 10 ms, and a 200% power boost for 60 seconds, your home remains fully supplied even during a power outage – without interruption. Even at high load peaks, the system reliably delivers up to 300% surge current capacity. Thanks to 120% overload capability in backup mode and 110% phase imbalance, you use every phase optimally – ideal for households with a heat pump, electric cooker or other high-power devices.

IP65 certification provides robust protection against dust and water jets – your energy system remains reliably ready for use even in the toughest conditions.

MidTeQ delivers peak performance when it counts.



Hybrid technology

AC and DC coupling in one device for maximum flexibility.

High efficiency

Over 98% efficiency for maximum yields.

Future-proof

Prepared for wallbox, heat pump, and smart home.

Easy installation

Plug-and-play design saves time and costs.

Quiet operation

Comfortable for living areas (< 25 dB).

Smart & secure

Everything at a glance, full control in one app – real-time data, remote control and secure data storage on EU servers.

Designed in Germany

Engineered to the highest standards, with on-site technical support.



About Midcosta Group – Who we are

The 20 years team experience of product development we have switched to a challenging branch of energy solutions.

With MidTeq – Midcosta's trade-registered brand – we are introducing intelligent energy management systems to international markets. With European offices based in Germany and Slovakia and an office in China, we cover not only concept, design and product development but also local support for our clients. Teams in Europe make sure that clients needs are fully covered, putting priority for their future needs as well, not only their current support. The office in China overlooks all processes from product customisation and quality control up to detailed testing, to provide first-class product quality.





The Intelligent Energy Ecosystem.

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