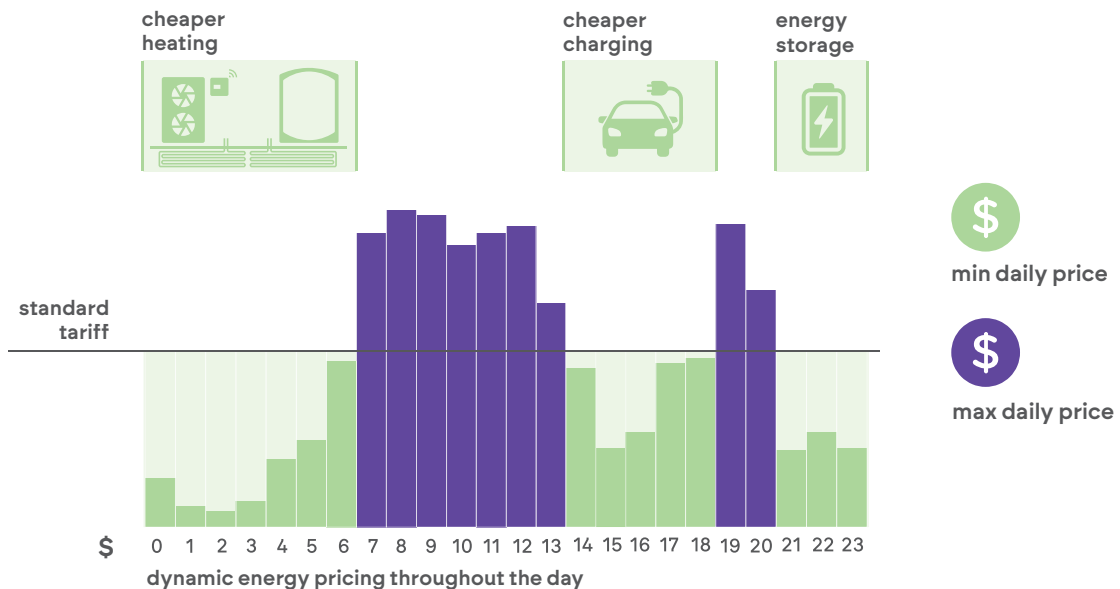


evoSYNC

HEMS controller

dynamic tariffs & hybrid system



Why should you choose evoSYNC controller?



Rationalize costs and electricity consumption by leveraging dynamic tariffs and energy surplus – HEMS Dynamics.



Optimize thermal energy use through accumulation – buy energy when it's cheap and use reserves when prices are high.



Switch between heating sources (e.g., a gas boiler and a heat pump) based on energy prices and COP efficiency – hybrid controller.

Monitor and manage devices in real-time, according to your actual needs, with the WiFi module.

Precise control room temperature with wireless room temperature controller.

Integrate all HVAC devices into one system using the Modbus protocol.

Supervise device performance and respond to malfunctions in real-time – online remote service.

The evoSYNC HEMS controller considers both energy prices and outdoor temperatures to heat rooms at the most cost-effective times.

manage energy smartly with HEMS Dynamic

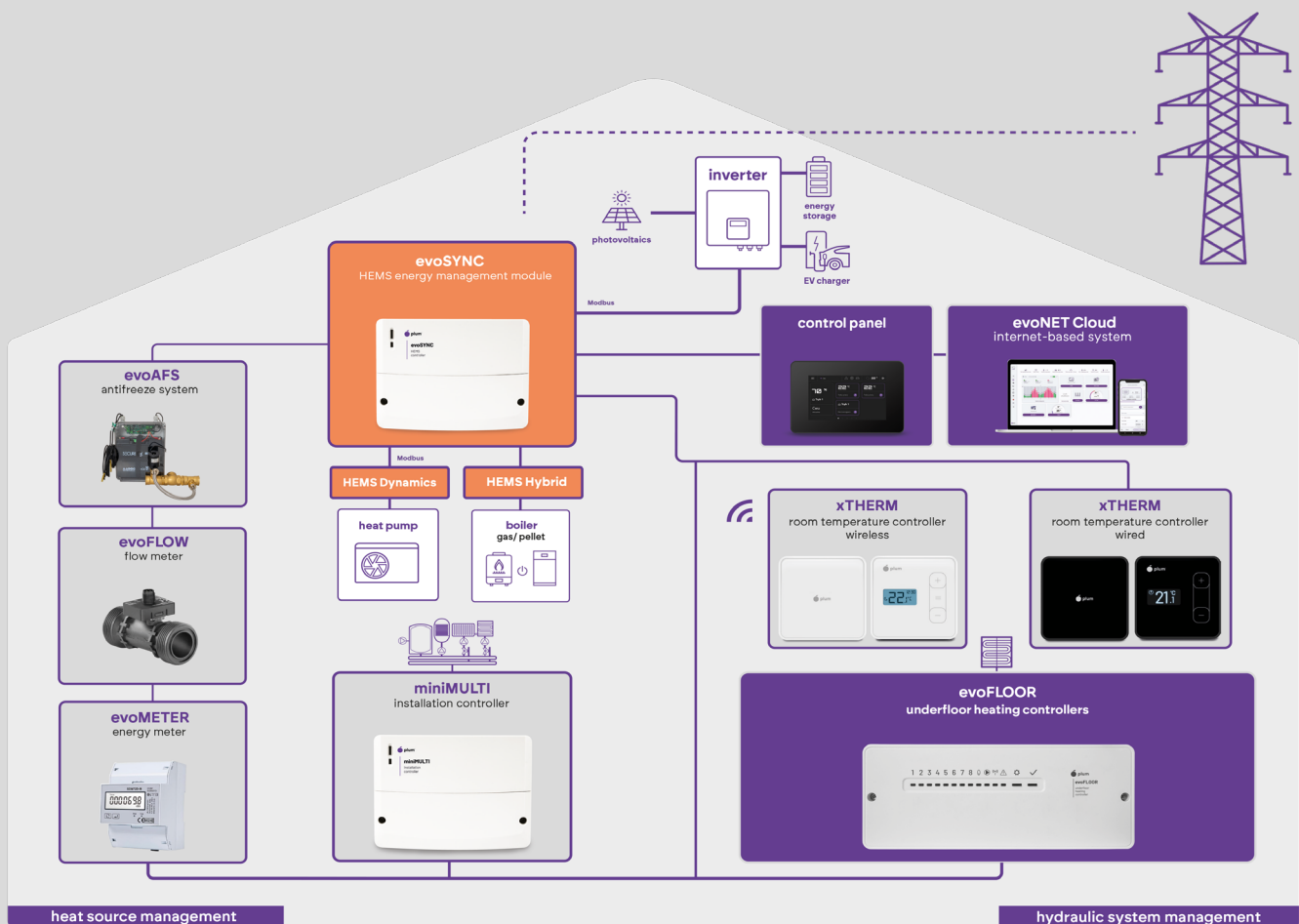
- use dynamic tariffs & real-time price analysis
- store & utilize thermal energy during peak hours
- maximize PV self-consumption & heat storage
- charge EVs when energy is cheapest

reduce operational costs with HEMS Hybrid Control

- auto-select the most cost-effective energy source
- optimize heat pump & gas boiler operation

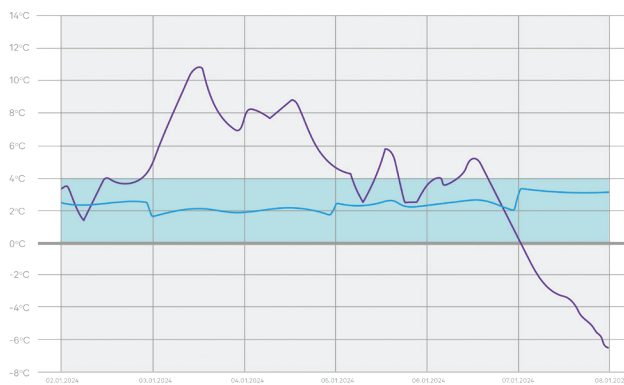
manage installation and service remotely with evoNET Cloud

- full system control anytime, anywhere
- remote diagnostics & service
- track device history & optimize energy use

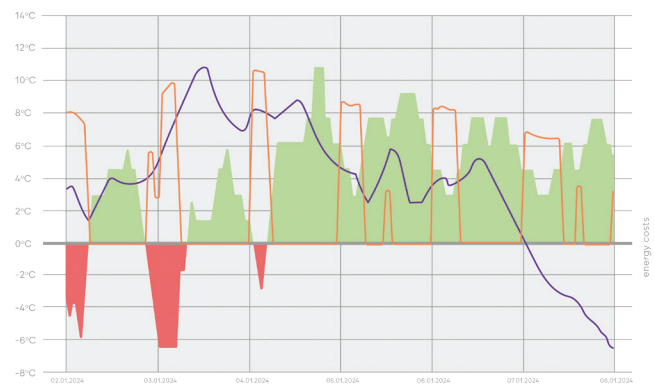


energy consumption of a house with a heat pump

fixed energy tariff



dynamic tariff with evoSYNC

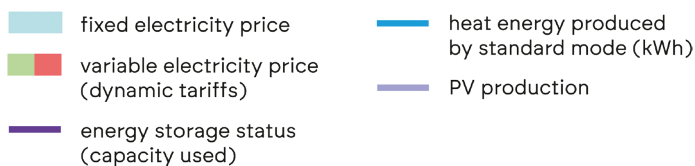
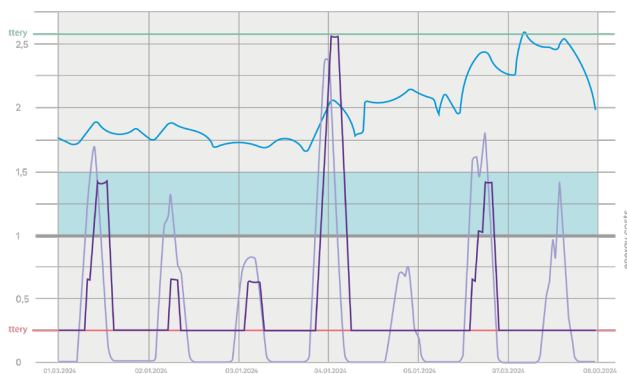


HEMS Dynamics enables savings of up to 36%

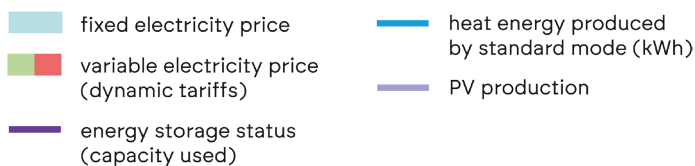
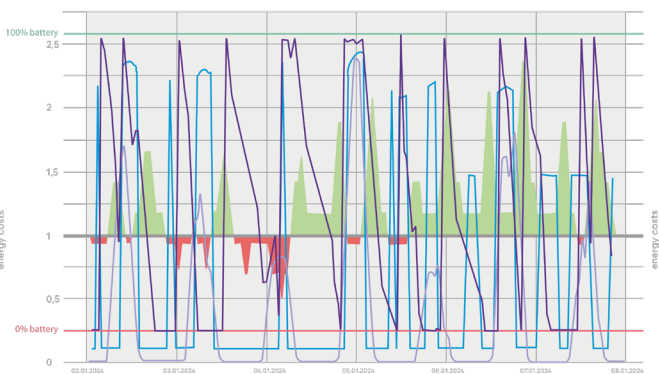
- automatically activate the heat pump during hours when energy is cheaper or free
- store thermal energy in a buffer, DHW tank, or underfloor heating system; use accumulated energy during peak energy price hours

energy consumption of a house with a heat pump, PV and battery storage

fixed energy tariff



dynamic tariff with evoSYNC



HEMS Dynamics enables savings of up to 37%

- maximize self-consumption of solar energy and minimize the amount of energy fed back into the grid; use excess energy from PV to charge the heat storage system
- use battery not only for PV system, but also to store cheap energy



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