

YG Heat 1HZ



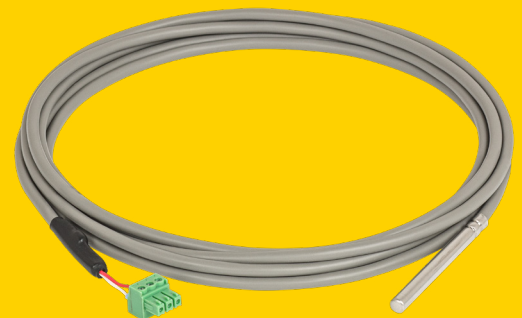
Smart electric water heater control for lower water heating costs.



YG Cloud



LTE



Heat water when electricity prices are low.

Automatically optimizes water heating based on SPOT prices and dynamic tariffs.

Maximize the use of your own solar energy.

An ideal solution for homes with photovoltaic systems thanks to solar production forecasting.

Easy installation.

Water heater connection, setup, and commissioning within 30 minutes.

Learns your habits.

Uses machine learning and historical consumption data to maximize savings without compromising user comfort.

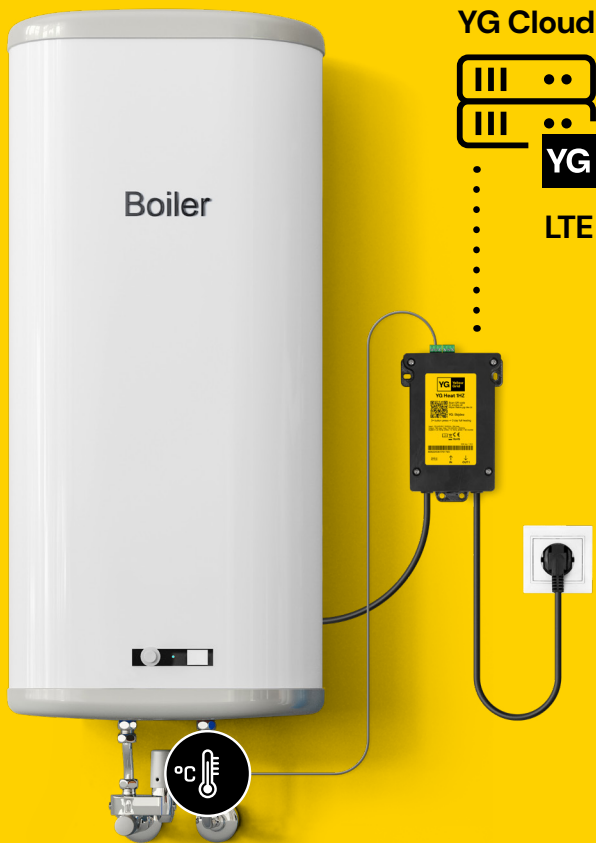
Control your water heater from your phone.

Enables remote monitoring and control of the water heater.

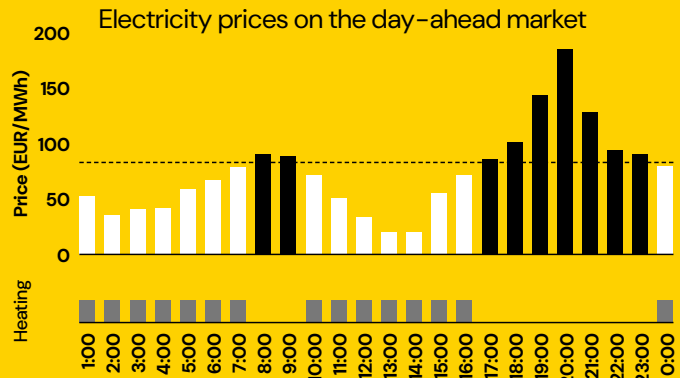
Who is this solution suitable for?

Households with SPOT electricity pricing, users of dynamic tariffs, homes with photovoltaic systems, hotels, apartments, and holiday cottages.

Designed and manufactured in the Czech Republic.

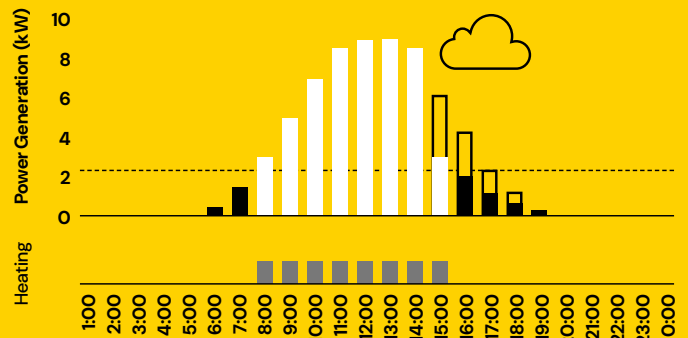


Use Case: SPOT Pricing



Use Case: Solar PV Self-Consumption

Solar production forecast for the next day (weather / ZIP code)



Designed for:	single-phase electric water heater, 230 V, max. 16 A
Internet connectivity:	LTE – SIM card with 2-years data plan incl. (Europe)
Electrical connection:	terminal block (Ø 2.5 mm), 230 V
Maximum current:	16 A
Interfaces:	1× button, DI port for temperature sensor
Electrical measurement:	energy consumption (Wh)
Dimensions and weight:	102 × 32 × 149 mm, 192 g / package: 125 × 72 × 204, 402 g
Operating conditions:	–20 °C to +55 °C, indoor use only (IP30)
Remote management:	QR code, YG mobile control, web application
Integrated data sources:	SPOT electricity prices solar irradiance forecast for photovoltaic systems dynamic tariffs (ČEZ Dynamic Tariff) HDO/TOU schedules
Switching method:	ZCS (Zero Current Switching), switching at the current zero-crossing point
Package contents:	temperature sensor (for hot water pipe installation)
Standards:	EN 62368, EN 60950, EN 61000, EN 50581