

FRONIUS THERMAL SOLUTION

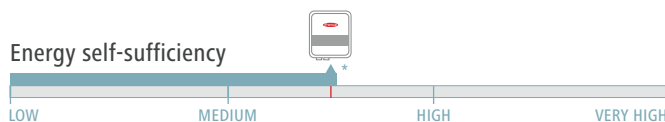
Quick and easy hot water preparation with surplus PV energy using the Fronius Ohmpilot



THE ADVANTAGES AT A GLANCE

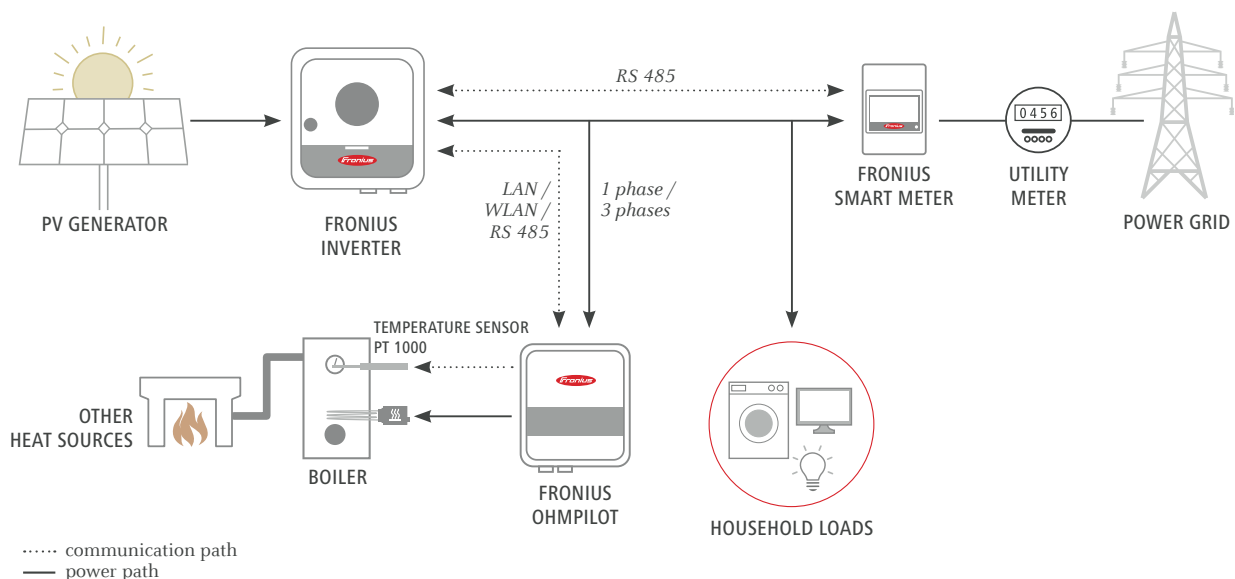
- / Increase in the service life of the main heating system
- / Hot water supply using PV energy over 8 months of the year largely possible
- / Increase in self-consumption rate of up to 100%
- / Continuous regulation from 0 to 9 kW for optimum use of the surplus energy
- / Reduction in energy costs

- 1 Fronius inverter
- 2 Fronius Ohmpilot
- 3 Fronius Smart Meter



* depending on the heat generation in the household

CONFIGURATION SCHEME



WHAT IS NEEDED TO IMPLEMENT THE FRONIUS THERMAL SOLUTION?

DEVICE	TYPE	NOTE
FRONIUS OHMPILOT	9.0-3	/ consumption regulator / Uses surplus PV energy for hot water preparation / Continuous regulation from 0-9 kW
SMART METER	63A-1; 63A-3; 50KA-3 240V-3 UL; 480V-3 UL; 600V-3 UL	/ Suitable for single-phase and three-phase grids / Measures energy consumption and energy from the grid / Essential for the use of the Fronius Ohmpilot
INVERTER	/ Fronius Primo or Symo GEN24 or GEN24 Plus / Fronius Tauro / All SnapINverters from Datamanager 2.0 onwards / And all older Fronius inverters and third-party inverters with the Datamanager Box 2.0	
HEATING ROD	1-phase up to max. 3 kW/ 3-phase up to max. 9 kW/ 18 kW heating rod*	3-phase heating rods: neutral conductor has to be carried out *ASKOHEAT-FOP from ASKOMA
TEMPERATURE SENSOR	PT1000	/ Possibility of setting the minimum or nominal temperature / Optimal use of the surplus is only possible with PT1000
COMMUNICATION OHMPILOT - INVERTER	/ Option 1: Connection to the router via LAN or WLAN / Option 2: Cable connection (from CAT5) via Modbus RTU (RS485)	
COMMUNICATION SMART METER - INVERTER	/ Cable connection (CAT5 and higher) via Modbus RTU (RS485)	

- RECOMMENDED -

/ Perfect Welding / Solar Energy / Perfect Charging

THREE BUSINESS UNITS, ONE GOAL: TO SET THE STANDARD THROUGH TECHNOLOGICAL ADVANCEMENT.

What began in 1945 as a one-man operation now sets technological standards in the fields of welding technology, photovoltaics and battery charging. Today, the company has around 5,660 employees worldwide and 1,321 patents for product development show the innovative spirit within the company. Sustainable development means for us to implement environmentally relevant and social aspects equally with economic factors. Our goal has remained constant throughout: to be the innovation leader.

Further information about all Fronius products and our global sales partners and representatives can be found at www.fronius.com

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