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FRONIUS OHMPILOT

Optimising self-consumption through the intelligent, continuously adjustable regulation of heat sources



NOW COMPATIBLE WITH FRONIUS ENERGY PACKAGE

The Fronius Ohmpilot is a consumption regulator designed to use excess solar power to heat water. Thanks to the continuously adjustable regulation from 0 to 9 kW, surplus PV current can be put to highly efficient use and fed to the consumers in the household.

The Fronius Ohmpilot is primarily used to intelligently control heating elements for providing hot water in boilers and buffer storage tanks, but can also be used for infrared heating or towel radiators. Solar power can thus provide a family home with average levels of water consumption with most of their hot water from September to March. The result is maximum self-consumption, a reduction in the household's CO_2 emissions and less wear on the building's main heating system during the summer months.

FRONIUS OHMPILOT TECHNICAL DATA

INPUT DATA	OHMPILOT
Frequency	50 Hz
Max. input current ($I_{ac\ max}$) [1]	1*16 A / 3*16 A
Input voltage [1]	230 V / 400 V

OUTPUT DATA	OHMPILOT
Max. output power [1]	3 kW / 9 kW (each continuously adjustable)
Frequency	50 Hz
AC output current ($I_{ac\ nom}$) [1]	1*13 A / 3*13 A
Output voltage [1]	230 V / 400 V

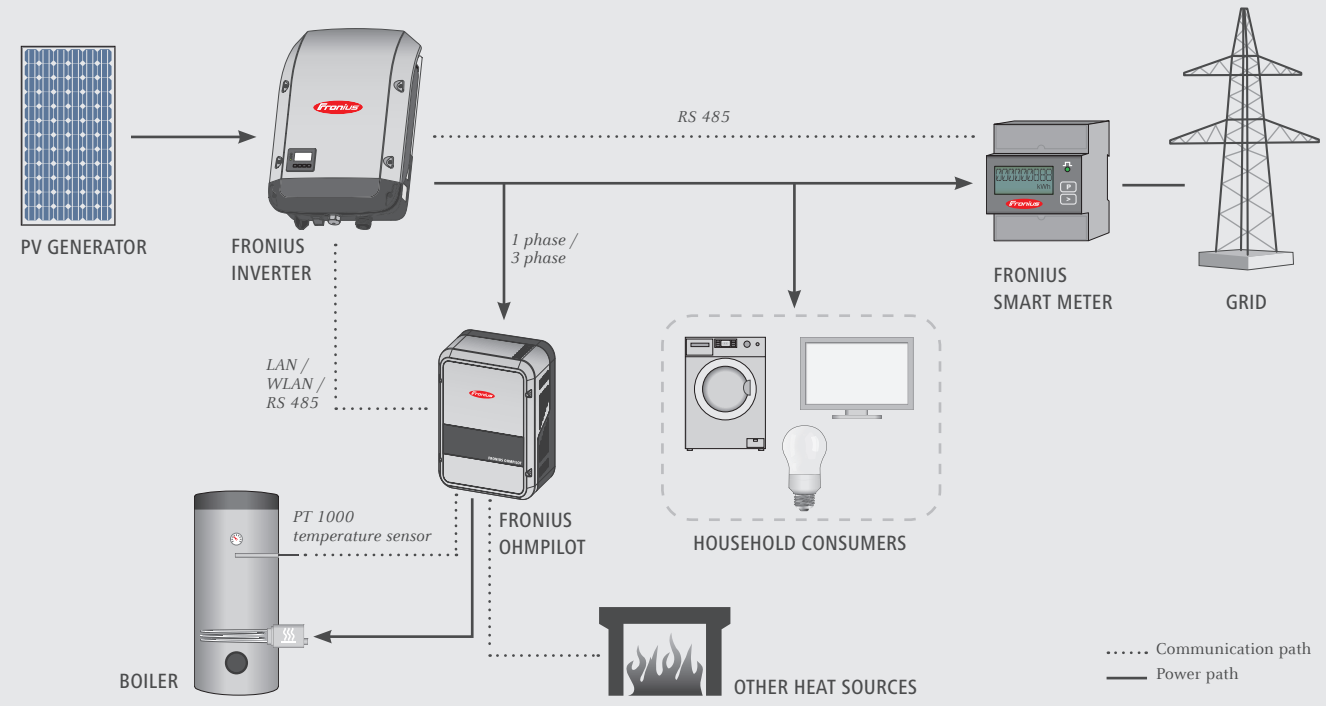
GENERAL DATA	OHMPILOT
Type of power regulation	Pulse width modulation
Dimensions (height x width x depth)	350 x 280 x 110 mm
Weight	3.9 kg
Protection class	IP54
Installation	Wall mounting
Ambient temperature range	0 - 40 °C
Permitted humidity	0 - 99 %, non-condensing
Certificates and compliance with standards	CE, EN 61000-6-2, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3, EN 300 328

[1] single phase / three-phase

THE ADVANTAGES AT A GLANCE

/ Continuously adjustable regulation from 0 to 9 kW
/ Easy installation
/ Minimum temperature setting
/ Dynamic feed-in limitation ≥ 50% - also with Fronius Energy Package
/ Coordination with other heat sources, e.g. gas water heaters
/ Combination with heat pumps
/ Legionella prevention system
/ Proven compliance with EMV directives

CONFIGURATION DIAGRAM



Installing the Fronius Ohmpilot could not be easier thanks to straightforward commissioning via the dedicated website as well as a simple communication connection via WLAN. The Fronius Ohmpilot also protects the grid by cleanly and reliably activating the consumers, leaving you as the installer fully equipped for the demands of today and tomorrow.

The Fronius Ohmpilot is compatible with all Fronius inverters. A Fronius Datamanager 2.0 and a Fronius Smart Meter are required to use the device. The Fronius Datamanager is integrated as standard in Fronius Symo, Fronius Symo Hybrid, Fronius Primo, Fronius Galvo and Fronius Eco inverters. The Fronius Datamanager and the Fronius Smart Meter can be retrofitted in existing inverters at any time.

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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 3,800 employees worldwide and 1,242 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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