

/ Perfect Welding / Solar Energy / Perfect Charging



FRONIUS OHMPILOT

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



/ 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 April to October. The result is maximum self-consumption, a reduction in the household's CO₂ 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⁾	Continuously adjustable 3 kW – 9 kW
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

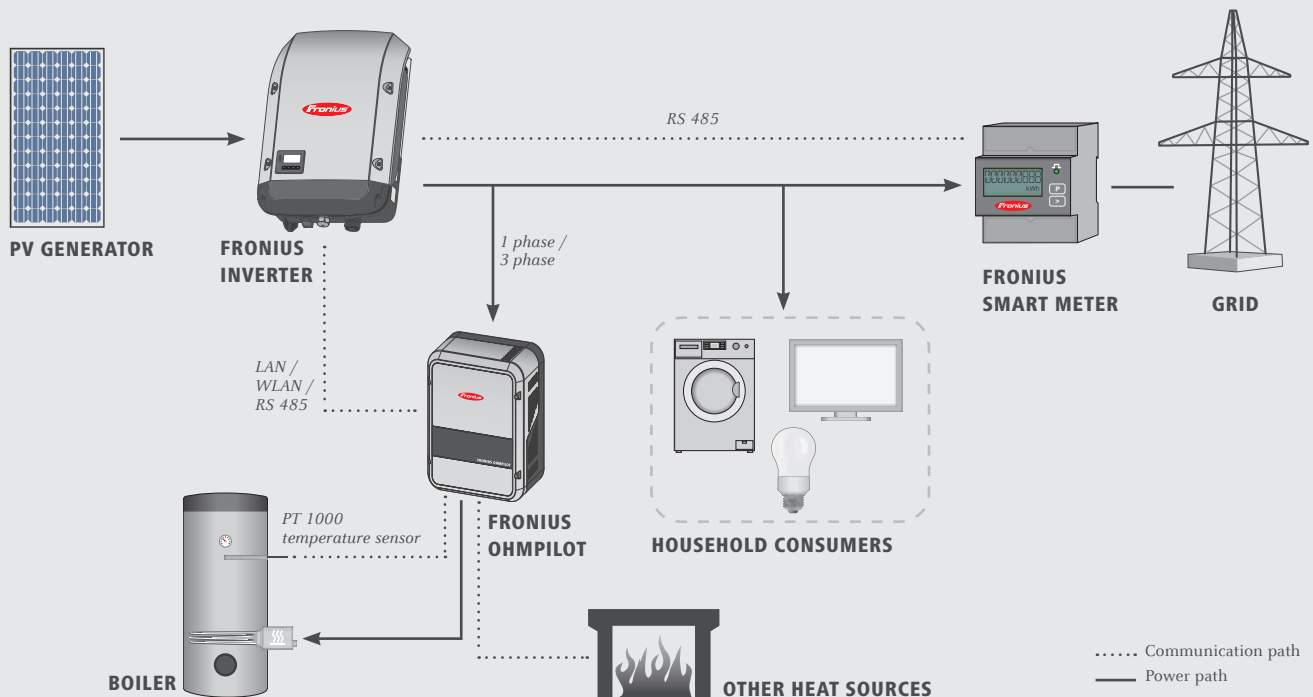
¹⁾ single-phase / three-phase

THE ADVANTAGES AT A GLANCE

/ Continuously adjustable regulation from 0 to 9 kW
 / Extremely simply installation
 / Minimum temperature setting

/ Coordination with other heat sources, e.g. gas water heaters
 / Combination with heat pumps
 / Legionella prevention system

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 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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WE HAVE THREE DIVISIONS AND ONE PASSION: SHIFTING THE LIMITS OF POSSIBILITY.

/ Whether welding technology, photovoltaics or battery charging technology – our goal is clearly defined: to be the innovation leader. With around 3,800 employees worldwide, we shift the limits of what's possible - our record of over 1,200 granted patents is testimony to this. While others progress step by step, we innovate in leaps and bounds. Just as we've always done. The responsible use of our resources forms the basis of our corporate policy.

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

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