

Ohmpilot Eco

Fronius



Product strengths

01 Cost-effective heating rod control

Use excess PV energy efficiently for hot water preparation: the Fronius Ohmpilot Eco controls heating rods in boilers and buffer storage tanks in stages up to 9 kW. For higher self-consumption and lower grid costs. The Ohmpilot Eco is particularly suitable for PV systems with energy storage: it even uses small PV surpluses by drawing on additional battery power to control a heating element.

02 Seamless integration of heat pumps

Thanks to bidirectional communication with compatible heat pumps, the Fronius Ohmpilot Eco maximizes the efficiency of the PV system by providing real-time information about available PV surplus. The heat pump autonomously adjusts its control based on this data, ensuring optimal operation and the best use of solar PV.

03 Comprehensive monitoring

Everything at a glance: The Fronius Solar.web app enables a consolidated view of all PV system data on a monitoring platform. The Fronius Ohmpilot Eco integrates data from connected devices, such as compatible heat pumps, in Solar.web.

04 Convenient control

Whether in the app or directly on the device: innovative timer and boost modes enable intelligent temperature and PV system management and ensure that there is enough hot water for both planned and spontaneous baths. Thanks to its IP65 protection class, the Fronius Ohmpilot Eco is also water-resistant and suitable for outdoor use.

Technical data

Ohmpilot Eco

Input dtaa	Max. input current (Iac max)	A	1x 14.4 (1-phase) / 3x 14.4 (3-phase)
	Nominal voltage	V	230 / 400
	Frequency	Hz	50 / 60
	Cable connection	mm²	Spring clamp, 1.5 – 4

Output data	Max. output power	kW	3 (1-phase) / 9 (3-phase)
	Nominal current per phase	A	13
	Max. current relay out	A	L1 / L2 / L3; 16 (max. 5 sec)
	Multi-function relay out	A	max. 16 (max. 5 sec)
	Cable connection	mm²	Spring clamp, 1.5 – 4

General data	Dimensions (height x width x depth)	mm	215 x 355 x 55
	Weight	kg	1
	Safety class		IP65
	Installation		Wall
	Ambient temperature range	°C	-20 to +50*
	Permissible humidity	%	0-100, condensing
	Cooling		Convection
	Storage temperature	°C	-40 to +70
	Certifications and standard compliance		CE, EN 61000-6-2, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3, EN 60730

Interfaces	Modbus RTU		RS485, max. 300m, shielded and twisted
	LAN (Modbus TCP)		Ethernet min. CAT5, shielded
	WLAN (Modbus TCP)		IEEE 802.11 b/g/n
	Temperature sensor (2x)		PT1000 (max. cable length 30m)
	Cable connection	mm²	Spring clamp, 0.2 – 1

* Power derating from 40°C

Heat with photovoltaics

The **Fronius Ohmpilot** and **Ohmpilot Eco** heating solutions enable intelligent integration of heat management into the PV system. The integration of a heat pump or an electric heating element maximizes the self-consumption of the surplus solar power. The **Fronius Ohmpilot** is perfect for PV systems without storage, while the **Ohmpilot Eco** is the most cost-effective solution for PV systems with battery storage and facilitates the seamless integration of heat pumps.



More information about the Fronius heating solutions: https://www.fronius.com/en/solar-energy

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