

FRONIUS SMART METER

/ The bidirectional meter for recording power consumption in the home



/ The Fronius Smart Meter is a bidirectional meter which optimises self-consumption and records the household's load curve. Thanks to highly accurate measurements and rapid communication via the Modbus RTU interface, dynamic feed-in control when feed-in limits are imposed is faster and more accurate than with the S0. Together with Fronius Solar.web, the Fronius Smart Meter presents a clear overview of power consumption within the home. In the Fronius Energy Package storage solution based on the Fronius Symo Hybrid, the Fronius Smart Meter provides perfectly coordinated management of the various energy flows and optimises overall energy management. The Fronius Smart Meter is ideally suited for use with the Fronius Symo, Fronius Symo Hybrid, Fronius Galvo inverters and the Fronius Datamanager 2.0.

FRONIUS SMART METER

TECHNICAL DATA

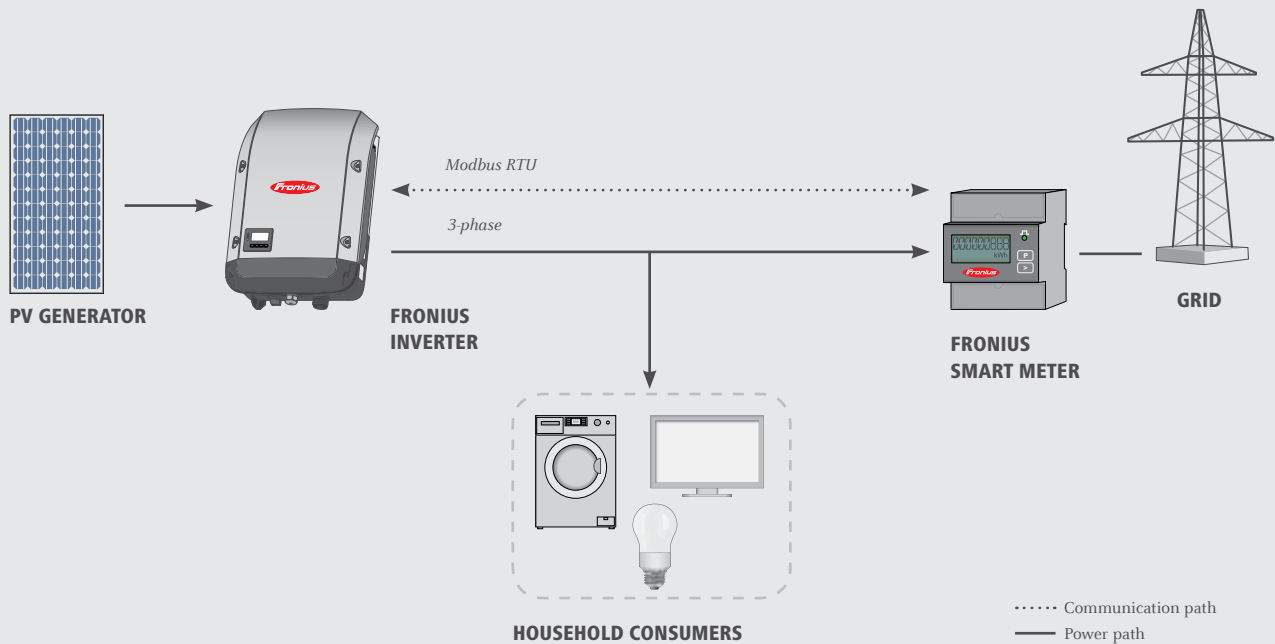
Nominal voltage	400 – 415 V
Max. current	3 x 63 A
Cable cross-section, power path	1 – 16 mm ²
Cable cross-section, communication	0.05 – 4 mm ²
Installation	DIN rail
Housing (width)	4 modules DIN 43880 (4 pole)
Accuracy class	1
Interface to inverter	Modbus RTU (RS485)
Display	8-digit LCD

THE ADVANTAGES AT A GLANCE

- / Fast and accurate dynamic feed-in control
- / Clear overview of power consumption in Fronius Solar.web
- / Optimised energy management with the Fronius Energy Package storage solution



CONFIGURATION DIAGRAM



/ The Fronius Smart Meter is compatible with all inverters with an RS485 interface (Modbus RTU SunSpec). The Fronius Smart Meter works in conjunction with the Fronius Datamanager 2.0 for the Fronius IG¹⁾, Fronius IG Plus and Fronius CL inverters, whereas the Fronius Datamanager Box 2.0 is used with the Fronius IG TL, Fronius Agilo and Fronius Agilo TL inverters. The Fronius Smart Meter can be retrofitted at any time together with the Fronius Datamanager 2.0 in inverters that have already been installed.

¹⁾ No power reduction possible.

/ Perfect Welding / Solar Energy / Perfect Charging

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/ Whether welding technology, photovoltaics or battery charging technology – our goal is clearly defined: to be the innovation leader. With around 3,000 employees worldwide, we shift the limits of what's possible - our more than 850 active patents are 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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