



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 meter. Together with Fronius Solar.web, the Fronius Smart Meter presents a clear overview of power consumption within the home. In the Fronius storage solutions, 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 SnapINverters and the Fronius Datamanager 2.0.

FRONIUS SMART METER

TECHNICAL DATA	FRONIUS SMART METER 240 V-3 UL	FRONIUS SMART METER 480 V-3 UL
Operating Voltage Range (Line to Line)	166 V – 276 V	384 V – 552 V
Power Line Frequency Range	50 Hz to 60Hz	
Connectors	Euroblock style pluggable terminal blocks (12 AWG / 2,5 mm ²)	
Power Consumption	1,2 W (60 Hz) / 1,5 W (50 Hz)	1,2 W (60 Hz) / 1,6 W (50 Hz)
Maximum Rated Apparent Power	4 VA	3 VA
Accuracy	± 0,5 % (see manual for details)	
Mounting	Indoor: Wall-mounted Outdoor: If mounted inside an electrical enclosure that is rated NEMA 3R or 4 / IP 66	
Temperature Range	-30°C to +55°C	
Weight	310 g	
Dimensions (Height x Width x Depth)	38 x 143 x 85 mm	
Interface to Inverter	Modbus RTU (RS 485)	
Certifications / Listings	UL 61010-1, CAN/CSA-C22.2 No. 61010-1-04, IEC 61010-1, EN 61326: 2002, EN61000-4-2, EN61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11, FCC Part 15 Class B, EN 55022: 1994 Class B	
Current Transformers	Primary: 1 – 3000 A / secondary: use only CT's with voltage output 333 mV	
Supported Grid Types	1-phase 3-wire (split-phase), 1-phase 2-wire without N, 3-phase 4-wire (WYE), 3-phase 3-wire without N (Delta), 3-phase 4-wire delta (High-leg delta / stinger grid)	
Power supply	Self-supplied, No external power supply required	

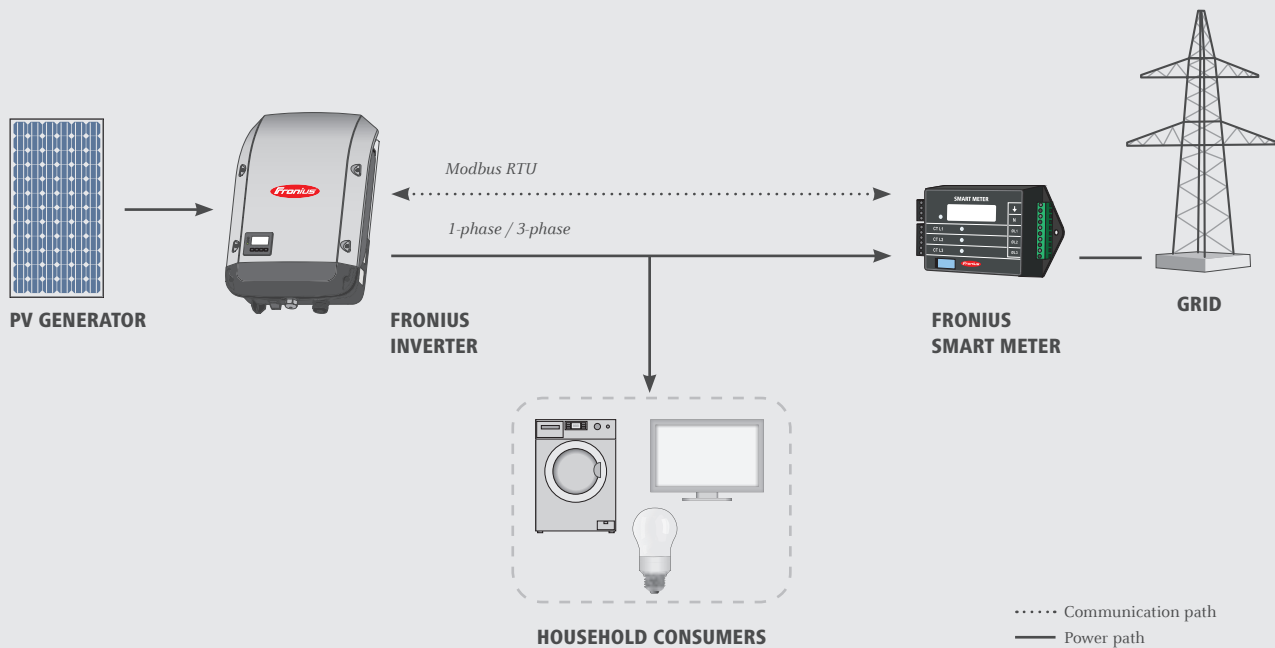
THE ADVANTAGES AT A GLANCE

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



Please note: Product picture may vary slightly from actual product.

CONFIGURATION DIAGRAM



/ The Fronius Smart Meter is compatible with all inverters with an RS485 interface (Modbus RTU). The Fronius Smart Meter works in conjunction with the Fronius Datamanager 2.0 for the Fronius IG Plus 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.

/ 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 3,700 employees worldwide, we shift the limits of what's possible - our record of over 800 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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