

FRONIUS SMART METER

/ Bidirectional energy meter for feed-in management and energy consumption monitoring



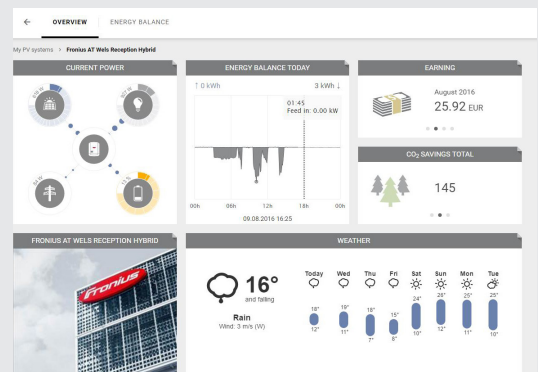
/ Are you facing feed-in limitations for a solar system, or would you like to monitor a house's energy consumption? Fronius has you covered: Introducing the Fronius Smart Meter, a bidirectional energy meter. Thanks to high accuracy and fast communication via Modbus RTU, the meter is suitable for various applications, such as dynamic feed-in management. Together with Fronius Solar.web, the Fronius Smart Meter offers a detailed overview of energy consumption within a home or business. The Fronius Smart Meter is compatible with the Fronius Galvo, Fronius Primo, Fronius Symo and the upcoming Fronius Primo Hybrid inverters.

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)	
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	10.8 oz	
Dimensions (Height x Width x Depth)	1.5" x 5.63" x 3.34"	
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	

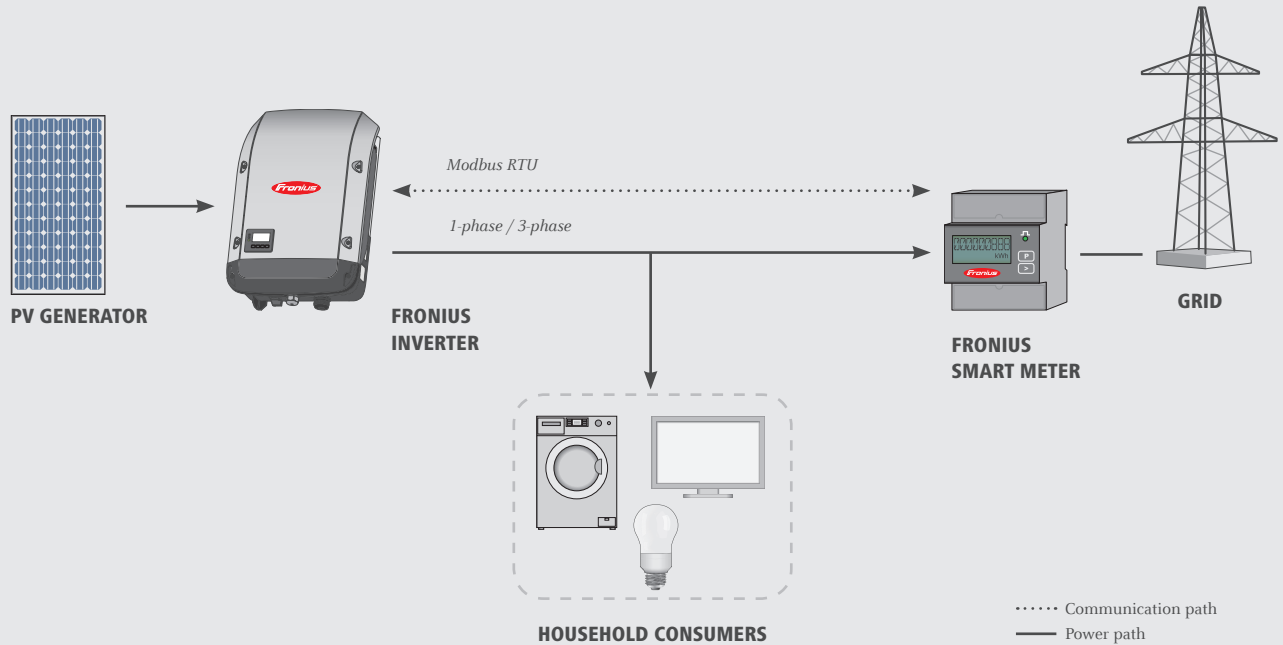
THE ADVANTAGES AT A GLANCE

- / Feed-in management and dynamic power reduction
- / Easy configuration of dynamic feed-in on the Fronius Datamanager 2.0 software interface
- / Self-consumption systems
- / Visualization of energy consumption in Fronius Solar.web
- / Optimized energy management with the Fronius storage solution



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

CONFIGURATION DIAGRAM



/ The Fronius Smart Meter is compatible with all Fronius inverters with an integrated Fronius Datamanager 2.0 (RS485 interface for Modbus RTU), which is included in Fronius Galvo, Fronius Primo and Fronius Primo Hybrid inverters, and can be added to any Fronius Symo, Fronius IG, IG Plus and IG Plus A inverter.

/ Perfect Welding / Solar Energy / Perfect Charging

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 3,700 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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