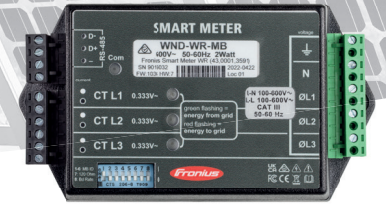




# FRONIUS SMART METER WR

Bi-directional energy meter for feed-in management and energy consumption monitoring

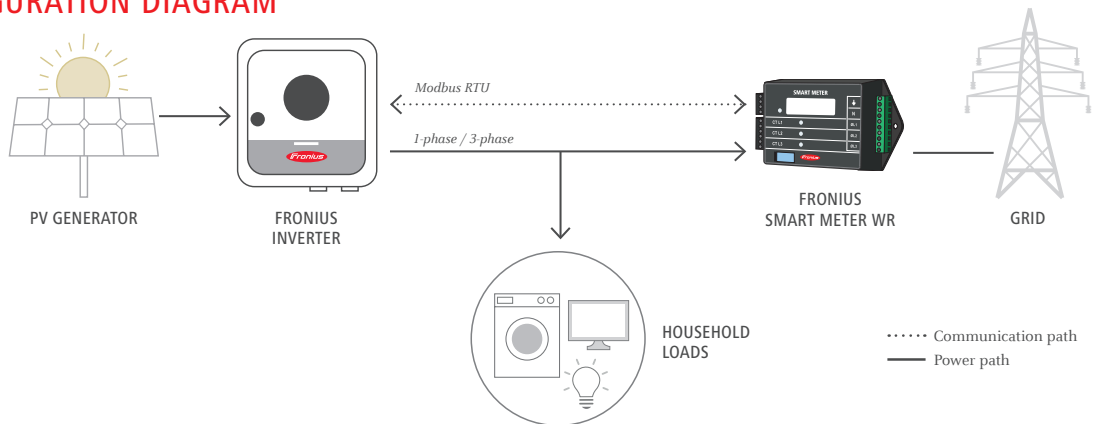


Introducing the Fronius Smart Meter WR, a bidirectional energy meter. Thanks to its high accuracy and fast communication speed via Modbus RTU, the meter is suitable for dynamic feed-in management and grid-tied zero export PV systems. Together with Fronius Solar.web monitoring, the Smart Meter offers a detailed overview of a home or business' energy consumption.

## TECHNICAL DATA FRONIUS SMART METER WR

	FRONIUS SMART METER WR 100-600V - 3
Operating voltage range (line to line)	85 - 690 V
Frequency	45 - 65 Hz
Connections	Euroblock style pluggable terminal blocks (12 AWG / 2.5 mm <sup>2</sup> )
Self-consumption	1.75 W
Maximum rated apparent power	3.75 W
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	-40°C to 80°C
Dimensions (H x W x D)	6.02 in. x 3.35 in. x 1.50 in. (153 mm x 85.1 mm x 38.0 mm)
Weight	233 g (8.2 oz)
Interface to inverter	Modbus RTU (RS 485)
Certificates / 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 – 6000 A / secondary: use only CTs with voltage output 333 mV 1-phase 3-wire (split-phase), 1-phase 2-wire without N, 3-phase
Supported grid types	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

## CONFIGURATION DIAGRAM



Fronius Canada Ltd.  
2875 Argentia Road, Units 4, 5 & 6  
Mississauga, ON L5N 8G6  
Canada  
pv-sales-canada@fronius.com  
www.fronius.ca

Fronius USA LLC  
6797 Fronius Drive  
Portage, IN 46368  
USA  
se.cop.usa@fronius.com  
www.fronius-usa.com

Fronius International GmbH  
Froniusplatz 1  
4600 Wels  
Austria  
pv-sales@fronius.com  
www.fronius.com