



FRONIUS SMART METER WR

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

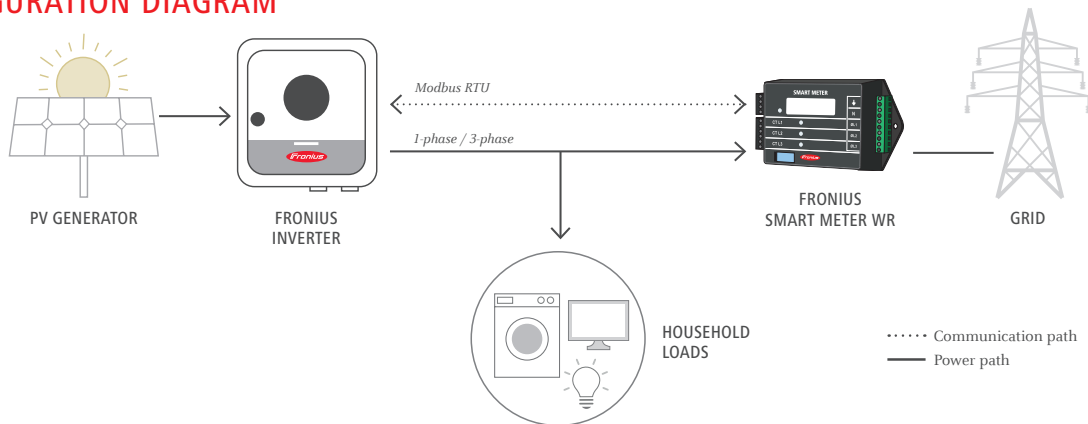


Introducing the Fronius Smart Meter WR, a bi-directional energy meter. Thanks to its high accuracy and fast communication speed via Modbus RTU, the meter is suitable for dynamic feed-in management and grid-tied zero export PV systems. Together with Fronius Solar.web monitoring, the Smart Meter offers 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 ²) |
| Self-consumption | 1.75 W |
| Maximum rated apparent power | 3.75 W |
| Accuracy | ± 0.5 % (see manual for details) |
| Mounting | Indoor: wall-mounted Outdoors: mount in a switch cabinet with protection class NEMA 3R or 4/IP 66 |
| Temperature range | -40°C to 80°C |
| Dimensions (W x H x D) | 85.1 mm x 153 mm x 38.0 mm (3.35 in x 6.02 in x 1.50 in) |
| 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: only suitable for use with transformers with an output voltage of 333 mV |
| Supported grid types | single-phase grid, three-phase grid with or without neutral conductor |
| Power supply | Self-supplied, no external power supply required |

CONFIGURATION DIAGRAM



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