



Orsis S2-M SmartGen

Single phase electricity meter

The Orsis S2-M single phase electricity meter benefits from integration with an Orsis communications module. It delivers a cost effective solution for one or two rate domestic suppliers and solar PV applications that enables the monitoring of generation and import or export kWh.

The data is transmitted to Orsis Energize. The data can be forwarded to energy suppliers, data collectors/data aggregators. The data retrieved can be used by the consumer to understand their energy consumption or generation levels, manage their fiscal and environmental costs and report meter readings for feed-in tariff collection.



Features

- ✓ Accuracy Class B MID & IEC
- ✓ Easy installation with LED indicators
- ✓ kWh import/export
- ✓ Secure SIM card holder
- ✓ MID Approved 2004/22/EC
- ✓ Top mounted to ease maintenance
- ✓ Large digit (9.8mm) display with chevron information indication
- ✓ Error indicators via dedicated LED
- ✓ Extensive security data
- ✓ Optional RF communications available
- ✓ Lightweight

Ready to get started?

Start your journey today

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Technical Information

The meter stores all registration and security data to non-volatile memory

All data is retained for the life of the meter

Reverse run event count

Reverse run energy total

Reverse run indication on LCD (Meter Display)

Power fail count

Elapsed time count

Terminal cover removal count (powered)

The liquid crystal display is programmed to show Segment Test and Cumulative kWh import.

Frequency 850MHz / 900MHz / 1800MHz / 1900MHz

Antenna Impedance 50 Ω

Transmission Rate 450Kbps–143.6Kbps

Transmission Protocol UDP/TCP

GSM Message Supportable

Antenna Gain 2dB dual band

RF Power: Class 4 (2W @ 900MHz) Class 1 (1W @ 1800MHz)

Current range 0.5A - 10(100)A

Voltage range 175V–275V

Frequency 50Hz

System Connection 1 Phase, 2 Wire

Start Current 0.004lb

Reference Voltage 230V

IrDA Baud Rates 300 – 9600

Current circuit power consumption $\leq 1.5W$

Voltage circuit power consumption $\leq 1.5W$

Temperature $-25^{\circ}C$ – $55^{\circ}C$ (Operational Range), $-25^{\circ}C$ – $85^{\circ}C$ (Storage)

Humidity Range 5% ~ 95%

Display Area 50mm x 17mm

Case IP53 to IEC62059:1989

RoHS & REACH Complied

Communications Interface IEC62056–21

Complies with EMC standard EN 50081–1:1992

IP53 in accordance with IEC 60529:2004

Dimensions 170mm (H) x 155mm (W) x 45mm (D)

Weight 650 grams