



Compact DIN-rail mounting kWh power meter, which can be used for three-phase monitoring.

Requires 40mA CTs. The power meters are set to Modbus output for connection to GivEnergy systems and inverters. Addressable ID, LCD display, setup via front panel.



Backlit Three-Line LCD Display

Three-line backlit display providing real-time power and system information.



Three-Phase Monitoring

Real-time monitoring of voltage, current, and power across three phases.



Modbus Output

RS-485 Modbus output enables easy connection to monitoring networks.



CT Operated (Programmable Ratio)

Supports configurable CT ratios to match various current transformer setups.



DIN-Rail Mounting

Standard DIN-rail design for quick and secure installation.

GEM630 Meter

Modbus V2

INPUT

Nominal Input Voltage (per phase)	100-289V AC
Max. Continuous Input	120% of nominal
Max. Short Duration Input Voltage	2 x range maxi
Nominal Input Current	0.25 - 5A
Max. Continuous Current	120% of nominal
Max. Short Duration Input Current	120% of nominal
Nominal Input Current Burden	0.5 VA
Frequency	50Hz +/- 10%
System CT Primary Values	1 to 9999

AUXILIARY

Operating Range (per phase)	85-275V AC
Consumption	<2W / 10VA

ACCURACY

Voltage	0.5%
Current	0.5%
Neutral Current Calculated	4%
Frequency (Hz)	0.2% of mid frequency
Power Factor	1% of unity
Active Power	+/- 1% of range
Reactive Power	+/- 1% of range
Apparent Power	+/- 1% of range
Active Energy	Class 1 (IEC 62053-21)
Reactive Energy	+/- 1% of range
THD	1% up to 31st harmonic
Response Time	1 second

OUTPUT

Contact Rating	5-27Vdc @ 2mA min
Type	Opto-coupler SPST-NO
RS485 Modbus Output Module	1 Modbus Channel
Type	2-wire half duplex
Baud Rate	9600