



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-phase monitoring**



**Modbus output**



**CT operated (programmable ratio)**



**DIN-rail mounting**

# 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 maximum
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

## ENCLOSURE

Enclosure Style	DIN-rail
Dimensions	72(W) x 94.5(H) mm
Front Protection Rating	IP51
Case Protection Rating	IP30
Material	Polycarbonate to UL94V0
Weight	300g
Terminals	Shrouded screw-clamp 0.05-4mm wire

## ENVIRONMENT

Operating Temperature	-25°C to 55°C
Storage Temperature	-40°C to 70°C
Relative Humidity	0-95% non-condensing
Shock	30g in 3 planes
Vibration	10Hz to 50Hz

## CERTIFICATES AND APPROVALS

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