

### Brief Product Description

This MID approved meter measures both imported & exported energy. It is ideal for renewable PV applications, EV charger installations, and the monitoring of dedicated power to circuits.

The inbuilt Modbus RS485 data connection allows for network integration by allowing the inbuilt registers to display data onto computer or device.

A compact module with a width of 18mm size which is DIN rail mountable. Designed for installations within BG consumer units.

Accepting up to 25mm<sup>2</sup> cable conductors of the monitoring circuit, this meter does not require the addition of CT clamps for monitoring, only a single neutral connection is required for meter operation.

### Features

- For import & export power monitoring
- Inline power connection
- Backlite display screen
- Single touch button operation for setup & menu navigation
- Fixed or product scrolling display
- MID approved for submeter billing applications

### Meter Functions

- Real Time Active Energy (kWh)
- Reactive Energy (kVARh)
- Voltage (V)
- Current (A)
- Active Power (W)
- Reactive Power (Var)
- Power Factor (PF)
- Supply Frequency (Hz)

### Technical Specifications

Operating Voltage	230V AC
Current Rating	100A
Frequency	50 Hz
Power Consumption	<1W
Operating Temperature	-25c to +55c
Maximum Humidity	<95%
Ingress Protection Level	IP51
Number of Poles	1 Pole
Metering Method	Inline
Communication Connection	RS485
Impulse Levels	1000imp / kWh
Measurement Mode Setting	RS485 or Momentary Touch Button
LCD Backlight	Blue
Screw Terminals	Yes
Recommended Screwdriver Type	Pozidrive 2
Screw Torque Setting	L (1) In 2.5Nm, L (3) Out 2.5Nm, N Neutral 0.4Nm, Ancillary (RS485) 0.4Nm
Maximum Cable Capacity	L (1) In 2.5 - 25mm <sup>2</sup> , L (3) Out 2.5 - 25mm <sup>2</sup> , N Neutral 0.5 - 1.5mm <sup>2</sup> , Ancillary (RS485) 0.5 - 1.5mm <sup>2</sup>
Accuracy Class	B (1%)
Neutral Cable Supplied	No
Anti Tamper Sealing Points	Yes
Sealing Kit Included	Yes
Warranty	18 Months
Standards	EN50470-1/3

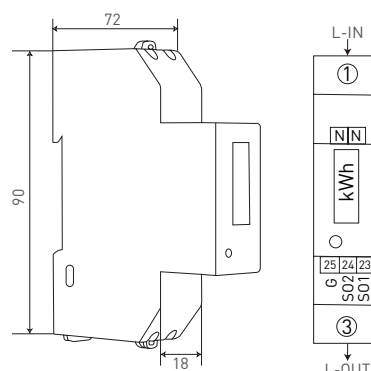


Cat No.	Description
MID100A	100A MID APPROVED METER

### Product Images



### Dimensional Line Drawing



### Dimensions of Product

Height: 90 mm  
Width: 18 mm  
Length: 72 mm