

Brief Product Description

This MID-approved meter measures both imported and exported energy, making it ideal for renewable PV systems, EV charger installations, and dedicated circuit monitoring. The inbuilt Modbus RS485 interface enables network integration, allowing register data to be transmitted to a computer or monitoring device.

This compact 18 mm-wide module is DIN-rail mountable and designed for use within BG consumer units. It accepts cable conductors up to 25 mm² for the monitored circuit and does not require external CT clamps. Only a single neutral connection is required for meter operation.

Features

- For import and export power monitoring
- Inline power connection
- Backlit display screen
- Single-touch button operation for setup and menu navigation
- Fixed or product-scrolling display
- MID approved for sub-meter 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)

Cat No.	Description
MID100A	100A MID Approved Meter

Product Images

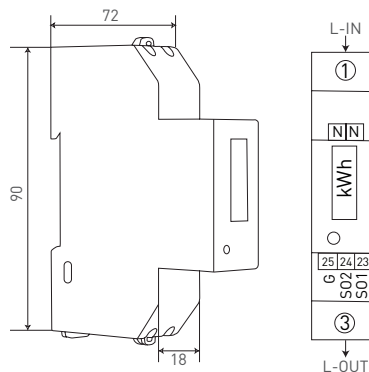


Technical Specifications

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 ² , L (3) Out 2.5 - 25mm ² , N Neutral 0.5 - 1.5mm ² , Ancillary (RS485) 0.5 - 1.5mm ²
Accuracy Class	B (1%)
Neutral Cable Supplied	No
Anti Tamper Sealing Points	Yes
Sealing Kit Included	Yes
Warranty	18 Months
Standards	EN50470-1/3



Dimensional Line Drawing



Dimensions of Product

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