S. P. Wales Ltd
Electrical Metering Specialists

Eastron SDM120 - Summary Sheet

The Eastron SDM120 is a single phase, 45A DIN Rail meter, perfect for low load applications such as monitoring heat pump consumption for RHI or caravan sites.

At just one module wide, this compact meter is MID approved, making it suitable for billing applications and has Class B accuracy, (equivalent to Class 1).

While the analogue model only displays Active Energy, (kWh), the backlit display featured on other models in the range displays Active Energy (kWh), Active Power, (W), Voltage (V), Current (I), Power Factor and Frequency.

Pulse, Modbus or Mbus outputs are available, ideal for integration into a BMS system or a metering gateway, and all digital models display both imported & exported energy.

Specification

Meter Type	Single Phase
Fitting Type	DIN Rail
Max. Current (Amps)	45
MID Approved	Yes
Input Type	Direct Connect
Output Type	Pulse / Modbus / Mbus *
Smart	No
Tariffs	Single
Import / Export	Import & Export *
Accuracy class	B (Cl. 1)
Max. Cable Size	16mm²
Module Width	1
Availability	Next Day *
Brand	Eastron
Country of Manufacture	China

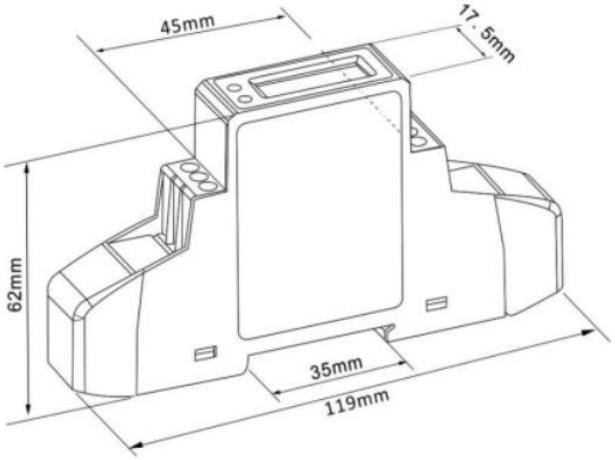
* Dependant on model selected

Model Variants

SPDEA120	Digital Display | Pulse Output | Imp. Only *
SPDEA120A	Analogue Disp. | Pulse Output | Imp. & Exp.*
SPDEA120M	Digital Disp. | Modbus Output | Imp. & Exp.*
SPDEA120MB	Digital Display | Mbus Output | Imp. & Exp.

* Available next working day

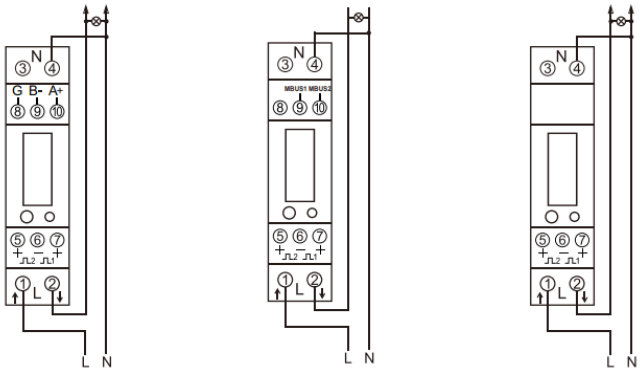
Dimensions



Measured Parameters

Active Energy (kWh)	✓	Line Power Factor (PF)	×
Active Power (W)	✓	Line Reactive Power (kVAr)	×
Apparent Energy (kVAh)	×	Line to Line Voltage (V)	×
Apparent Power (VA)	✓	Line to Neutral Voltage (V)	×
Average Current (I)	×	Maximum Current (I)	×
Average Power Demands (W)	×	Maximum Power Demands (W)	×
Average Voltage (V)	×	Maximum Voltage (V)	×
Current (I)	✓	Power Factor (PF)	✓
Current in Neutral (I)	×	Reactive Energy (kVArh)	✓
Frequency (Hz)	✓	Reactive Power (VAr)	✓
Hours Run (hr)	×	Total Harmonic Distortion (Amps)	×
Line Active Power (W)	×	Total Harmonic Distortion (Volts)	×
Line Apparent Power (kVA)	×	Voltage (V)	✓

Wiring Diagram



SPDEA120M | SPDEA120MB | SPDEA120/A

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