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SDM230M Series

DIN Rail Mounted Metering

Single Phase 100A MID (Multi-Function With Serial Communication)



Product variants

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- SDM230 - Modbus - 100A Input Modbus RS485 (RTU) & Pulsed Outputs
- SDM230 - Mbus – 100A Input Mbus & Pulsed Outputs
- SDM230 - 2T – 100A Input Modbus RS485 (RTU) & Pulsed Outputs Dual Tariff
- SDM230 - Pulse – 100A Input Pulsed Outputs

Features

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- MID Certified (B and D)
- 100A single phase input
- Two module DIN rail mounted
- Highly visible backlit display
- Simple menu navigation
- Built in Modbus and pulsed outputs or optional Mbus interface
- Four kWh measurement modes for PV and battery storage

Displayed Parameters

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- Phase to Neutral Voltage (V)
- Phase Current (A)
- Frequency (Hz)
- Power Factor (PF)
- Power max demand (MD kW)
- Active power (kW)
- Reactive power (kVAr)
- Apparent power (kVA)
- Import active power (kWh)
- Export active power (kWh)
- Total active power (kWh)
- Imprt reactive power (kVAh)
- Export reactive power (kVAh)
- Total reactive power (kVAh)
- Hours Run

Product information

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SDM230Modbus is an advanced digital single phase multi-function energy meter, which measures up to 100A direct load. The SDM230modbus has 15 measured parameters and 4 different kWh measurement modes which has been designed around the development of regeneration, such as solar and battery storage. This means the pulsed output can be configured for the following.

- Import +Export = Total kWh
- Export - Import =Total kWh (Nett)
- Import = Total kWh
- Export = Total kWh

A communication port is provided, RS485 Modbus RTU or M-bus EN13757-3 and Communication parameters are password protected in the setup mode. The SDM230-2T can measure energy from two different power supplies acting as a dual tariff meter.

Certifications & Standards

- MID: EN50470-1 & EN50470-3 Class B
- EMC: EN61326-1 & EN61326-2-3
- LVD: EN61010-1 & EN61010-2-3

Downloads

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