

ME513-2

SMART STS DIN RAIL.



ME513-2 is a smart prepayment energy meter with a compact design for Din Rail mounting and customized to the international prepaid AMI market.

This series is based on the current international standard of AMI communication protocol DLMS/COSEM and supports local/remote online software upgrades. The meter uses a switching power supply suitable for all kinds of standard voltage specifications abroad.



FEATURES

- Supports total four quadrant active energy, four quadrant reactive energy, positive and negative energy.
- Measurement of instantaneous voltage, current, active power, reactive power, apparent power factor and frequency.
- Supports up to 8 rates, four-quadrant active and reactive power, positive and negative TOU measurement, and total energy measurement.
- Supports positive and negative active demand, reactive demand and apparent demand measurement, and TOU measurement.
- TOU and Step Tariff options.

KEY BENEFITS

- Remaining energy alarm.
- Load power control.
- Communication capabilities.
- Smart ready
- Commission and decommission status.
- Detection of tampering attempts.
- Enhanced event logs record.
- Different alarms.
- Load control.
- Low-voltage and over voltage relay open protection.
- Time-of-use (TOU) tariffs.

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TECHNICAL SPECIFICATIONS

Nominal voltage Un		230/240 V
Voltage range		0.5 Un - 1.15 Un
Current		5 (80) A
Accuracy class		Class 1
Temperature range (EN 50470-1)	Operation	-25°C to +55°C
	Storage	-44°C to +70°C
Impulse voltage		6 kV
AC voltage		4 kV
Electric rapid transient pulse group		4 kV
Pulse constant		1000 imp/kWh
Consumption		<6 VA, 1.5 W
Communication	Optical	Complies with IEC62056-21 (E mode)
	Uplink Built-in	RS485 and G3-PLC
	MCU to CIU	RF or PLC communication with CIU

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