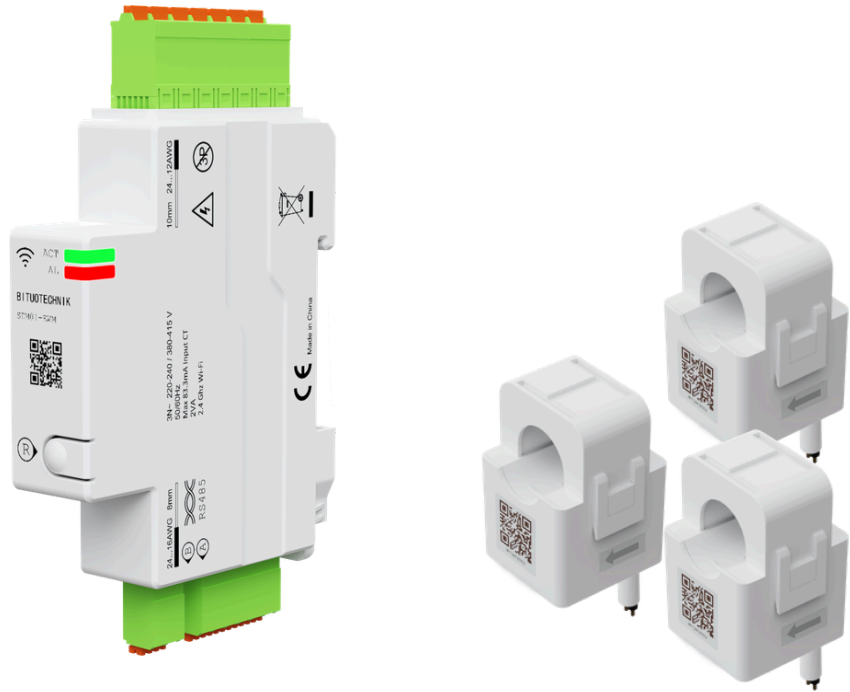


SDM01 Combo

Three-Phase Compact Energy Meter with Clamp CTs

The SDM01 Combo is a compact 18mm-wide DIN-rail smart energy meter designed for real-time monitoring of three-phase systems or multiple single-phase branches. Equipped with three split-core CTs, it accurately measures voltage, current, power, and energy. It supports both wired and wireless communication for flexible and seamless system integration.

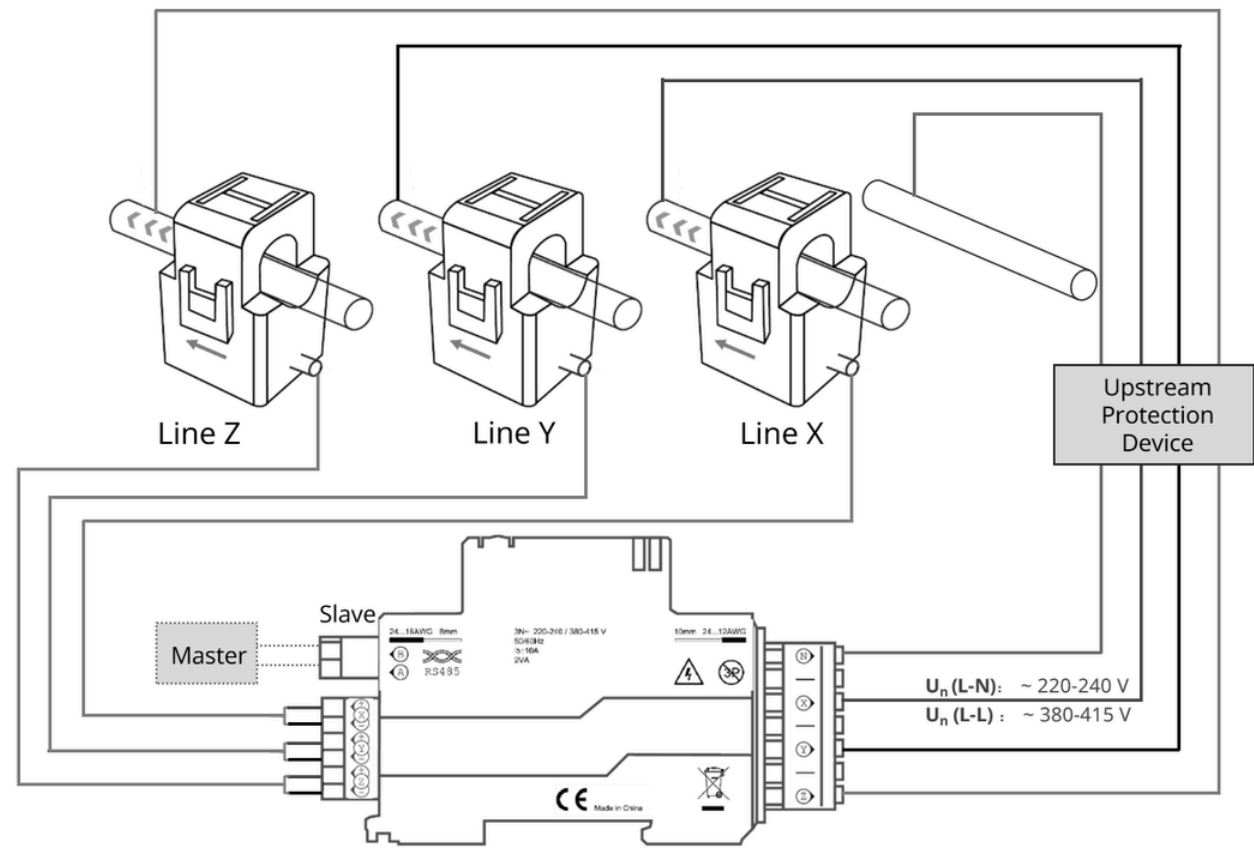


Technical Data

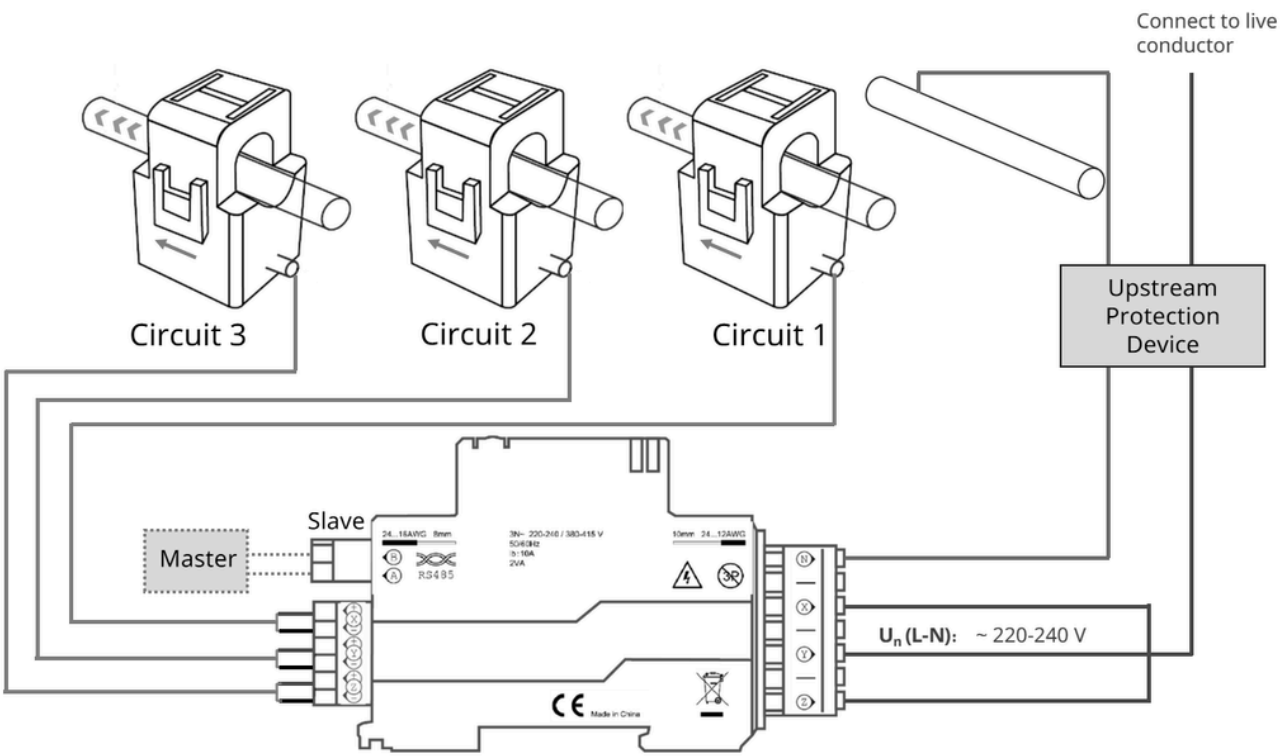
Rated voltage	220~240 VAC L-N, 50/60 Hz 380~415 VAC L-L, 50/60 Hz	Maximum Power consumption	≤ 2VA
Max monitoring current	120A / 200A	Rated operating temperature	-25 to 55 °C
Over-voltage category	III	Main module dimension	113.7×18.0×65.9mm
Rated insulating voltage	440V	Clamp CT apertures	Ø16mm / Ø20mm
Rated impulse withstand voltage	4kV	Communication Type	- Wireless - Wired
Pollution degree	3		BLE; Wi-Fi; Zigbee RS485
Protection degree	IP20		
Measurement accuracy	Class 1 (active energy)		

Wiring Diagrams

Three-phase (3P4W) System Wiring



Single-phase System Wiring up to 3 Branch Circuits



Remark

- 1) Not suitable for 3P3W installation.
- 2) ⚠ The device must be installed, operated, serviced, and maintained ONLY by qualified professionals. Please read the user guide carefully before installation. The user guide is a separate document from the datasheet.

Ordering Code

Complete Package with 1 x Main and 3 x 120A Clamp CTs

SDM01-TWM-12	3PN 120A Tuya Wi-Fi + 485
SDM01-TZM-12	3PN 120A Tuya Zigbee + 485
SDM01-EWM-12	3PN 120A Open BLE+Wi-Fi + 485
SDM01-TZM-12-U01	3PN 120A Standard Zigbee +485

Complete Package with 1 x Main and 3 x 200A Clamp CTs

SDM01-TWM-20	3PN 200A Tuya Wi-Fi + 485
SDM01-TZM-20	3PN 200A Tuya Zigbee + 485
SDM01-EWM-20	3PN 200A Open BLE+Wi-Fi +485
SDM01-TZM-20-U01	3PN 200A Standard Zigbee +485