

SDM630MCT V2 Smart Meter

DIN Rail Energy Meter for Single and Three Phase Electrical Systems

- ▶ Measures kWh kVArh, kW, kVA, P, F, PF, Hz, dmd, V, A, THD, etc.
- ▶ Bi-directional measurement IMP & EXP
- ▶ Two pulse outputs
- ▶ RS-485 Modbus
- ▶ Din rail mounting 35 mm
- ▶ 1 A / 5 A CT connection
- ▶ Better than Class 1 / B accuracy



MODEL	SDM630MCT V2
Type of Measurement	RMS including harmonics on three phase AC system (3P,3P+N)
Power	1% of range maximum
Active Energy	IEC 62053-22 Class 0.5S; IEC 62053-21 Class 1.0
Reactive Energy	IEC 62053-23 Class 2
Frequency	0.2% of mid-frequency
Current	0.5% of range maximum
Voltage	0.5% of range maximum
Power Factor	1% of unity (0.01)
Input	
CT Secondary	1 A / 5 A
CT Primary	1 ~ 9999 A
Rated Voltage (Un)	380 / 400 Vac
Operational Voltage	173 to 480 Vac (L-L)
Communications	
Communication Protocol	Modbus RTU
Communication Address	1 ~ 247
Transmission Distance	1000 m Maximum
Transmission Speed	1200 bps ~ 38400 bps
Parity	None (default), Odd, Even
Stop Bits	1
Response Time	< 100 ms

* SDM630MCT V2 smart meter is recommended to be used along with C&I string inverters.
 ** SDM630MCT has not included Current Transformers. Users should choose the CT that meets the following requirements:
 1. The selected CT's primary rating should be larger than the maximum current passing through the system's AC busbar.
 2. Maximum Current = system capacity / 230 / 3*1.2.
 *** Please consult KSTAR for more details.

