

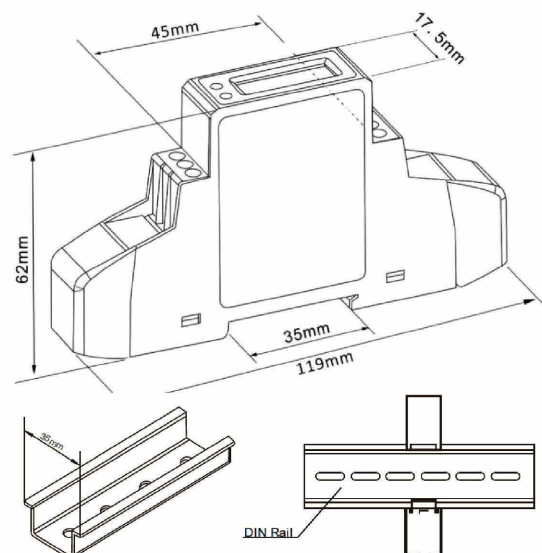
SDM120CT-MV (C-YA-A-00264)

Single - Phase Multifunction Din Rail Meter + SPLIT CORE CURRENT + MODBUS



● **DIMENSIONS**

: 119 x 62 x 17.5 mm., DIN RAIL 35 mm.



SDM120CT-MV ... is a METER Device to measure Electrical Parameters such as V, A, Hz, PF kWh, KW and etc. It is compatible with 220VAC 1-PHASE and it works together with SPLIT CORE CURRENT to connect and measure Current; so, it is more convenient because it is unnecessary to connect/disconnect Cable POWER for measuring current, it only hooks SPLIT CORE together with CABLE POWER. There is 7-SEGMENT LED DISPLAY 6-DIGIT with MENU; it can read the measuring values through LED Display directly and it can write program to read values through PORT RS485 (MODBUS) in order to apply the measuring values to collect electricity bill of dormitories or apartments or factories. Or, it can be applied to IOT projects that use Microcontroller to read and show the measuring values through the cell phone.

General Specifications

Measures kWh, Kvarh, KW, Kvar, KVA, PF, Hz, dmd, V, A, etc.

Voltage AC (Un)	230V
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Voltage Range	176~276V AC
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Base Current (I_b) 0.1VAC

Power consumption	<2W/10VA
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Frequency	50/60Hz($\pm 10\%$)
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AC voltage withstand 4KV for 1 minute

Impulse voltage withstand	6KV-1.2uS waveform
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Overcurrent withstand	30I _{max} for 0.01s
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Pulse output rate 1000imp/kWh (default)

0.001(default)/0.01/0.1/1/10/100/1000 kWh/kVarh(configurable)

Display LCD with white backlit

CT operated, RS485 Port modbus RTU

Max. Reading 99999.9kWh

Accuracy

Voltage 0.5% of range maximum

Current 0.5% of nominal

Frequency 0.2% of mid-frequency

Frequency	0.12% of rated
Power factor	1% of Unity

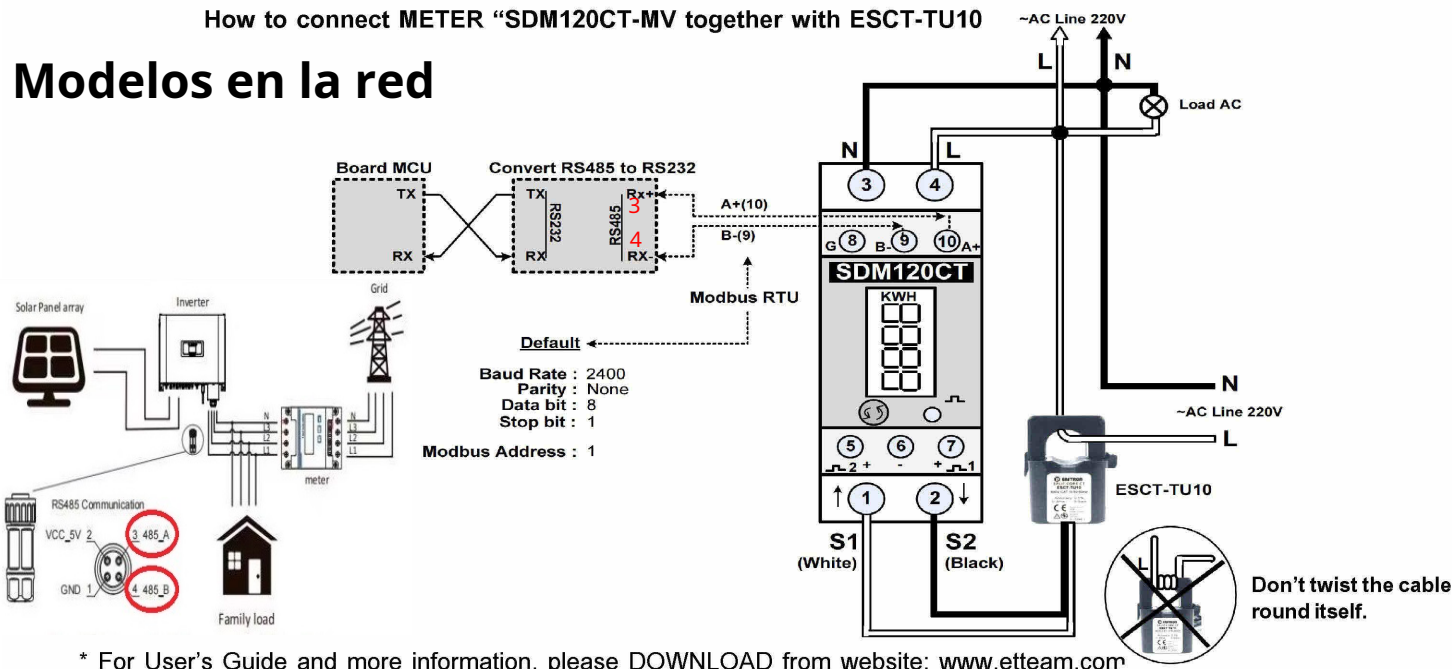
Power factor	1% of unity
Active power	1% of range maximum

Active power	1% of range maximum
Reactive power	1% of range maximum

Reactive power	1% of range maximum
Apparent power	1% of range maximum

How to connect METER “SDM120CT-MV together with ESCT-TU10

Modelos en la red



* For User's Guide and more information, please DOWNLOAD from website: www.etteam.com

Modelos Híbridos



How to connect METER “SDM120CT-MV together with ESCT-TU10

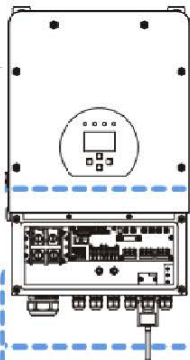
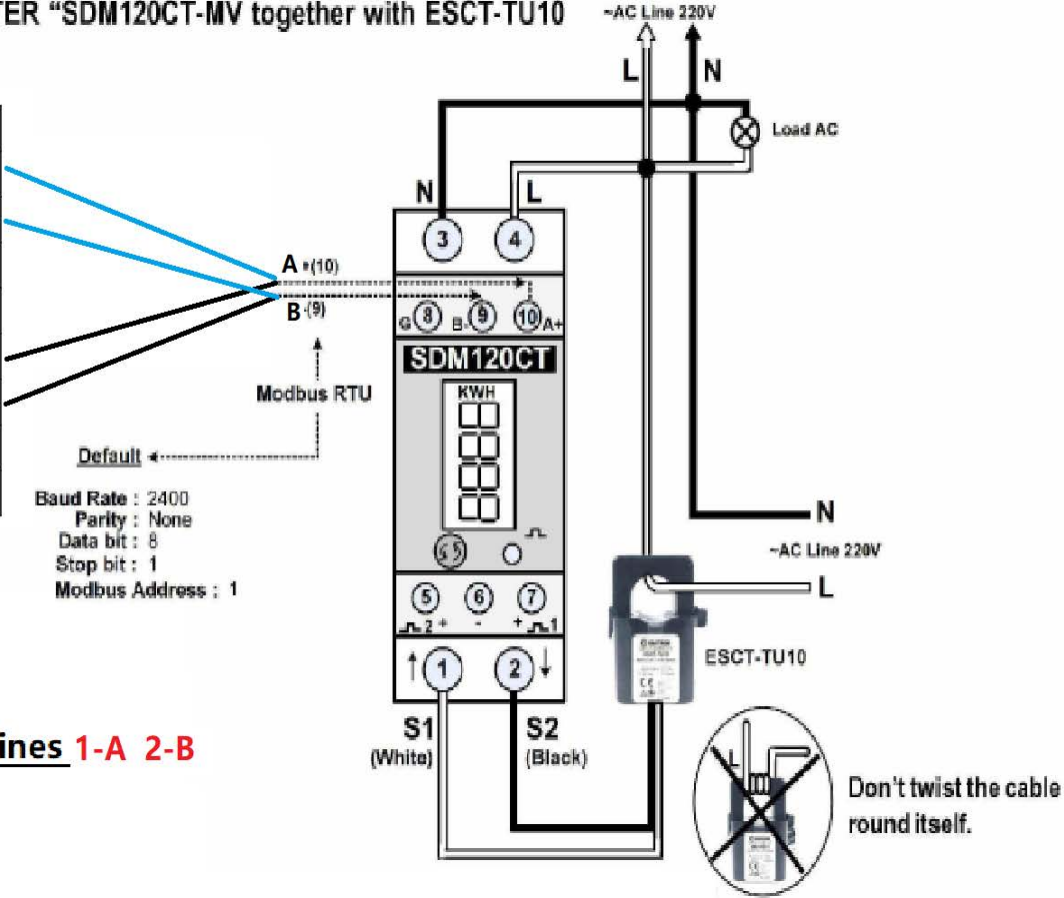
No.	RS485 Pin
1	RS485B
2	RS485A
3	GND
4	
5	CANH
6	CANL
7	
8	

Modelos:

3.6kw 5kw Pines 5-A 6-B

Modelos:

6KW.8KW.10KW.12kw a Pines 1-A 2-B



Inverter

