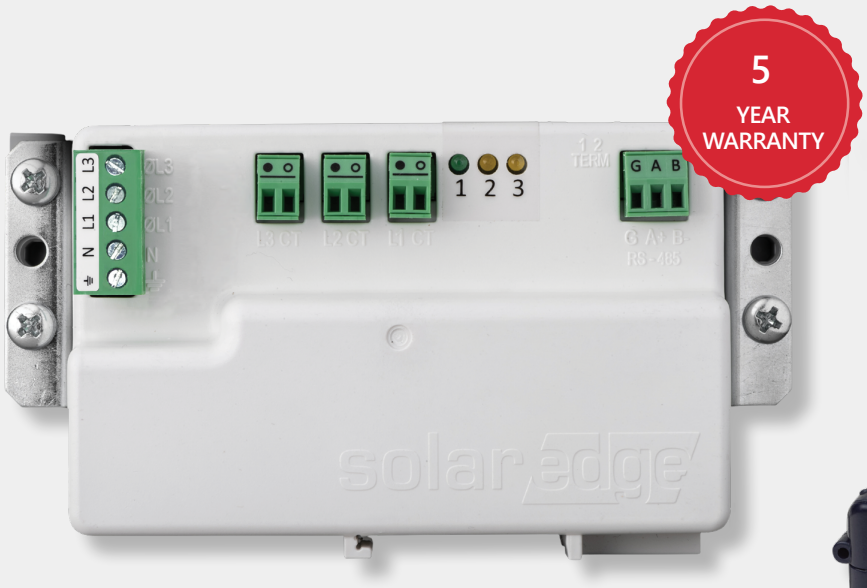
ACCESSORIES

Energy Meter with Modbus Connection

SE-MTR-3Y-400V-A





Energy Meter with Modbus Connection for SolarEdge Installations

- High accuracy meter readings for production/consumption monitoring
- Import/Export meter readings for export limitation functionality
- Small and easy to install - fits in standard electrical panel
- Supports residential, commercial and utility-size installations
- Support RS485 120Ω line termination

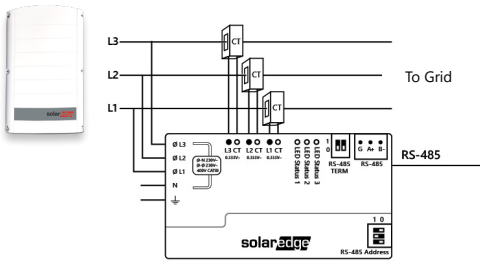
/ Energy Meter with Modbus Connection

SE-MTR-3Y-400V-A

WHEN ORDERING A METER, ORDER CURRENT TRANSFORMERS AS WELL:

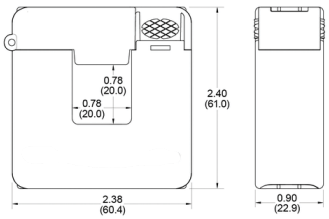
CURRENT TRANSFORMER MODEL[1]	RATED RMS CURRENT(A)	INTERNAL (A X B) / EXTERNAL (C X D)
SE-CTML-0350-070	70	9 x 8.9 mm / 42.4 x 30.5 mm
SE-ACT-0750-50	50	20 x 20 mm / 61 x 60.4 mm
SE-ACT-0750-100	100	
SE-ACT-0750-250	250	
SE-CTS-2000-1000	1000	50.8 x 50.8 mm / 121 x 127 mm
CTB-4x4-3000	1200	102 x 102 mm / 158 x 168 mm
CTB-4x4-2000	2000	102 x 102 mm / 158 x 168 mm
CTB-4x4.5-1200	3000	102 x 114 mm / 171 x 168 mm
SECT-FLX-250A-05[2]	250	80 mm diameter

[1] One current transformer per phase; for other ratings contact SolarEdge
[2] Rogowski coil CT comes 5 in a box. Power supply for the integration circuit should be purchased separately.

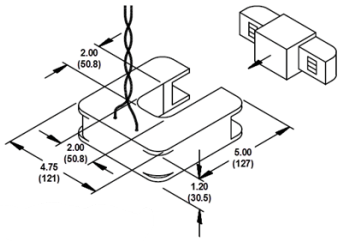


Current Transformer Dimensions

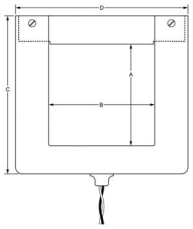
ACT



CTS



CTB



	SE-MTR-3Y-400V-A	UNITS
ELECTRICAL SERVICE		
Operating Voltage Range - Line to Neutral / Line to Line	Nominal: 230/400 184-264.5 / 320-460	Vac
AC Frequency	45 / 65	Hz
Grids Supported - Single Phase ; Three Phase[3]	L / N / PE ; L1 / L 2 / L3 / N / PE	
Power Consumption (max)	3	W
CT Inputs	333	mV
COMMUNICATION		
Supported Communication Interfaces	RS485 half-duplex, 3 wires (A, B, GND)	
Response Time[4]	≤200	ms
Default Device ID (Modbus)	2	
RS485 Line Termination	120	Ω
ACCURACY (@25°C, PF: 1)[5]		
1% - 100% of Rated CT Current	±1.0	%
IEC Accuracy	IEC 62053-21 Class 1, IEC 62053-23 Class 2	
STANDARD COMPLIANCE		
Safety	IEC 61010-1, UL 61010-1, CAN/CSA-C22.2 No. 61010-1-04	
Immunity	EN 61326: 2000, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-5, EN 61000-4-6,	
Emissions	EN 55022 Class B	
INSTALLATION SPECIFICATIONS		
Dimensions (HxWxD)	75 x 138.6 x 35 / 2.95 x 5.45 x 1.37	mm / in
Weight	225 / 0.49	gr / lb
Operating Temperature Range	-40 to +85 / -40 to +185	°C / °F
Relative Humidity (noncondensing)	5% to 90% up to 40°C decreasing linearity to 50% RH at 55°C	
Protection Rating	IP20 - Suitable for indoor use	
Mounting Type	DIN Rail / Surface mount	

[3] PE (Protective Earth) connection is not required for meter operation
[4] For power limitation application. When meter is connected at grid connection point, and when RS485 is used for multiple inverters
[5] Using SE-ACTL-0750 CT models

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CE RoHS