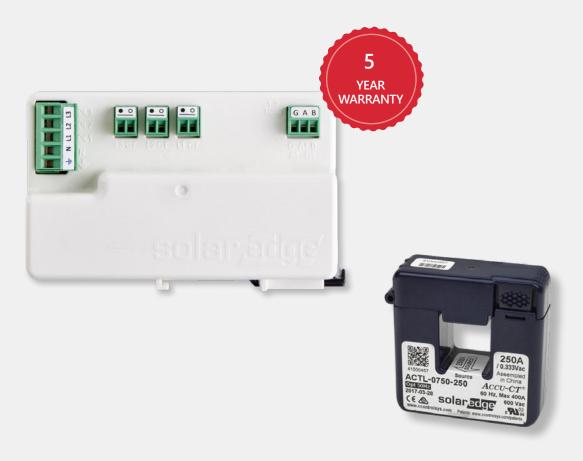
Delta Grid Energy Meter with Modbus Connection

SE-RGMTR-3D-208V-A



CCESSORIES

Delta Grid Energy Meter for Commercial Installations

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

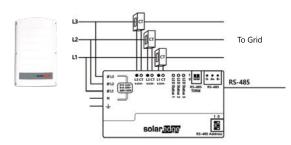


Delta Grid Energy Meter with Modbus Connection

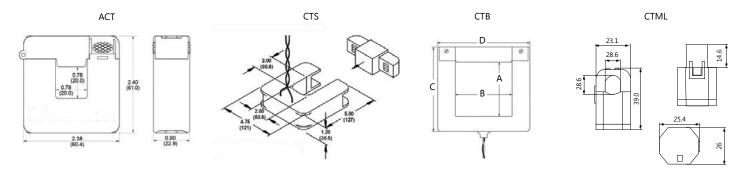
SE-RGMTR-3D-208V-A

WHEN ORDERING A METER, ORDER CURRENT TRANSFORMERS AS WELL(1):

CURRENT TRANSFORMER MODEL ⁽¹⁾	RATED RMS CURRENT(A)	INTERNAL (A X B) / EXTERNAL (C X D)
SE-CTML-0350-070	70	10 x 10 / 25.4 x 39
SE-ACT-0750-50	50	
SE-ACT-0750-100	100	20 x 20 mm / 61 x 60.4 mm
SE-ACT-0750-250	250	
SE-CTS-2000-1000	1000	50.8 x 50.8 mm / 121 x 127 mm
SE-CTB-4x4-1200	1200	102 x 102 mm / 158 x 168 mm
SE-CTB-4x4-2000	2000	102 x 102 mm / 158 x 168 mm
SE-CTB-4x4.5-3000	3000	114 x 102 mm / 171 x 168 mm



Current Transformer Dimensions



	SE-RGMTR-3D-208V-A	UNITS
ELECTRICAL SERVICE		
Nominal Voltage Range - Line to Line	202-240	Vac
Operating Voltage Range - Line to Line	182-264	Vac
Grids ⁽²⁾	3 Phase 3 Wire Delta	
AC Frequency	45-65	Hz
Power Consumption	1 - 1.5 (Typical) 3 (Max)	W
COMMUNICATION		
Supported Communication Interfaces	RS485 half-duplex, 3 wires (A, B, GND)	
Response Time ⁽³⁾	≤1	sec
Default Device ID (Modbus)	1	
ACCURACY (@ 77°F/ 25°C, PF: 0.7	-1)(4)	
1% - 100% of Rated CT Current	±1	%
STANDARD COMPLIANCE		
Safety	UL 61010-1; CAN/CSA-C22.2 No. 61010-1-04, IEC 61010-1	
Immunity	EN 61326: 2002; EN 61000-4-2; EN 61000-4-3; EN 61000-4-4; EN 61000-4-5; EN61000-4-6; EN 61000-4-11	
Emissions	FCC Part 15, Class B; EN 55022: 1994, Class B	
INSTALLATION SPECIFICATIONS		
Dimensions (HxWxD)	4.40 x 1.38 x 2.95 / 111.76 x 35.05 x 74.93	inch/mm
Weight	0.45 / 204.12	lb/gr
Operating Temperature Range ⁽⁴⁾	-40 to +185 / -40 to + 85	°F/°C
Relative Humidity (non-condensing)	5% to 90% up to 104°F decreasing linearity to 50% RH at 131°F	%
Protection Rating	IP20 - Suitable for indoor use IP65 - Suitable for outdoor use when mounted inside an electrical enclosure that is rated NEMA 3R or 4	
Mounting Type	DIN Rail	
AC voltage Terminal Block	up to 12 / 2.5	AWG/mm ²
Communication Terminal Block	24 / 0.2 to 14 / 2	AWG/mm ²
Current Transformer Terminal Block	24 / 0.2 to 14 / 2	AWG/mm ²
		-

⁽²⁾ PE (Protective Earth) connection is not required for meter operation

⁽¹⁾ One current transformer per phase; for other ratings contact $\operatorname{SolarEdge}$

^{*} All CT twisted pair lead wire length are 2.4 meters.

⁽³⁾ For power limitation application. When meter is connected at grid connection point, and when RS485 is used for multiple inverters

⁽⁴⁾ Using SE-ACTL-0750 CTs models:

^{±1.75%} from 10% to 100% of rated current for CTB CTs

 $[\]pm 1.25\%$ from 1% to 100% of rated current for CTML CTs

^{±1.25%} from 10% to 100% of rated current for SE-CTS CTs