

Delta Grid Energy Meter with Modbus Connection

SE-RGMTR-3D-208V-A

ACCESSORIES



Delta Grid Energy Meter for Commercial Installations

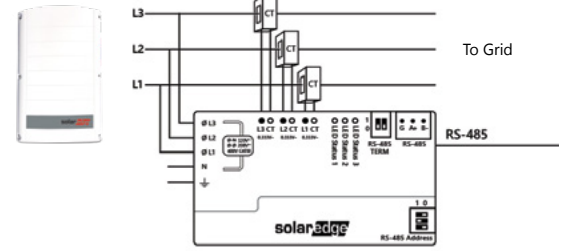
- / High accuracy meter readings for production / consumption monitoring
- / Export / Import meter readings for export limitation functionality
- / Small and easy to install - fits in standard electrical panel
- / Supports residential, commercial and utility-size installations
- / Supports RS485 120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

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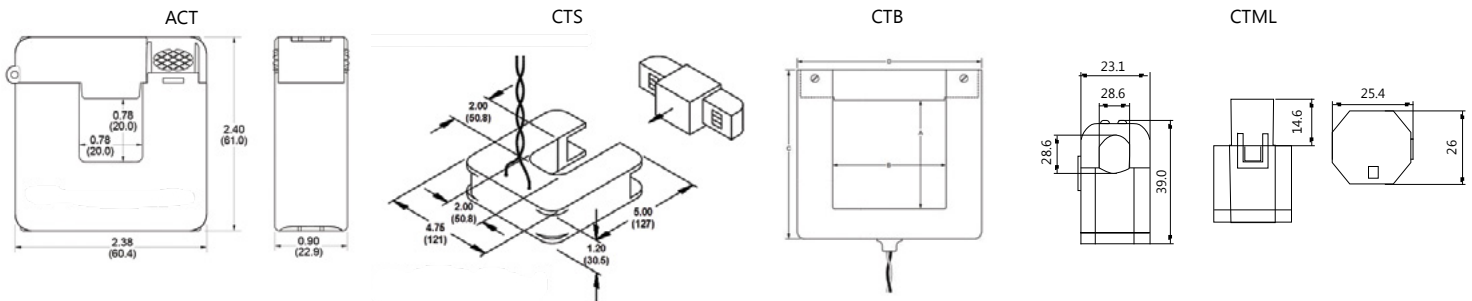
WHEN ORDERING A METER, ORDER CURRENT TRANSFORMERS AS WELL⁽¹⁾:

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	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	3000	102 x 102 mm / 158 x 168 mm
CTB-4x4-2000	2000	102 x 102 mm / 158 x 168 mm
CTB-4x4.5-1200	1200	102 x 114 mm / 171 x 168 mm



(1) One current transformer per phase; for other ratings contact SolarEdge

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	≤1	sec
Default Device ID (Modbus)	1	
ACCURACY (@ 77°F / 25°C, PF: 0.7-1)⁽³⁾		
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 (noncondensing)	5% to 90% up to 104°F decreasing linearity to 50% RH at 131°F	%
Protection Rating	IP20 - Suitable for indoor use	
Mounting Type	IP65 - Suitable for outdoor use when mounted inside an electrical enclosure that is rated NEMA 3R or 4 DIN Rail	

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

(3) Current Transformers operating Temperature Range: -30 to +75 °C / -22 to + 167

(4) Using SE-ACTL-0750 CT models