### **Energy Meter with Modbus Connection**

### for North America



## METERING

### **Energy Meter for Residential Installations:**

- Simple installations and connectivity
- Type NEMA 3R enclosure for outdoor protection
- Provides high accuracy meter readings
- Communicates over RS485 to provide monitoring data
- Suitable for export limitation, consumption monitoring and StorEdgeTM applications



### / Energy Meter with Modbus Connection for North America

SE-MTR240-NN-S-S1

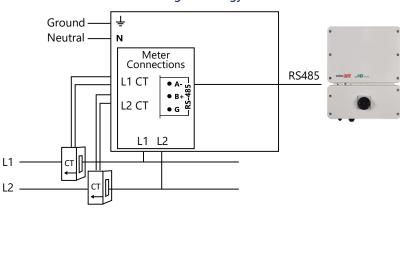
SUPPORTED INVERTERS	SINGLE PHASE INVERTERS		UNITS
ELECTRICAL SERVICE			
AC Input Voltage (Nominal)	2	240	
AC Frequency (Nominal)		60	
Max AC Input Current		100	
Connector Type	Terminal blo	Terminal block - 22 to 12	
Grids supported		L1/L2/N/PE L1/L2/PE	
Power Consumption (Nominal)	3		W
METER ACCURACY (@ 77°F / 25°C, PF:0.	7- 1)		
1 - 100% of Rated Current CT	4	±1.0	
CURRENT TRANSFORMERS(1)			
Nominal Input (at CT Rated Current)	CT1, C	CT1, CT2: 0.333	
Rated RMS current <sup>(2)</sup>	200	400	А
Dimensions (Internal / External)	0.8 x 0.8; 2.4 x 2.4 / 20 x 20; 61 x 61	1.26 x 1.83; 3.3 x 4.5 / 32 x 46.5; 83.4 x 114	in/mm
STANDARD COMPLIANCE	·		
Safety	UL 1741:2010 Ed.2(Suppl	UL 1741:2010 Ed.2(Supplement SA)+R: 07 Sep 2016	
Emmissions	FCC 47 CFR P	FCC 47 CFR Part 15 Subpart B	
ENVIRONMENTAL	•		
Operating Temperatures	-40 to +140 / -40 to +60		°F / °C
Relative Humidity (noncondensing)	5	5-90	
Enclosure type	High impact, ABS and/or AB	High impact, ABS and/or ABS/PC plastic UL 94V-0, IEC FV-0	
Protection Rating	NEMA	NEMA Type 3R	
INSTALLATION SPECIFICATIONS			
Dimensions (HxWxD)	8.1 x 12.4 x 4.6 / 206.6 x 316 x 117.5		in / mm
Weight	3.9	3.9 / 1.8	
Conduit Entry Diameters	0.75 or 1	0.75 or 1 / 19 or 25	
Mounting Type	Bracke	Bracket mount	

<sup>(1)</sup> Current Transformers should be ordered separately: SEACT0750-200NA-20 (200A) or SEACT1250-400NA-20 (400A), 20 per box

### **Current Transformer Dimensions**

# 200A CT 0.78 (20.0) 0.78 (20.

### Connecting the Energy Meter



<sup>(2)</sup> For other ratings contact SolarEdge

 $<sup>{}^{\</sup>star}\text{ Current Transformers (CTs) should be ordered separately: SEACT0750-200NA-20 (200A); SEACT1250-400NA-20 (400A). Each comes in boxes of 20.000 (200A) and 20.000 (200A) are consistent of the company of the co$