



# Single Phase Inverters for North America

SE3000A-US / SE3800A-US / SE5000A-US / SE6000A-US /  
SE7600A-US / SE10000A-US / SE11400A-US

	SE3000A-US	SE3800A-US	SE5000A-US	SE6000A-US	SE7600A-US	SE10000A-US	SE11400A-US	
<b>OUTPUT</b>								
Nominal AC Power Output	3000	3800	5000	6000	7600	9980 @ 208V 10000 @ 240V	11400	VA
Max. AC Power Output	3300	4150	5400 @ 208V 5450 @ 240V	6000	8350	10800 @ 208V 10950 @ 240V	12000	VA
AC Output Voltage Min.-Nom.-Max. <sup>(1)</sup> 183 - 208 - 229 Vac	-	-	✓	-	-	✓	-	
AC Output Voltage Min.-Nom.-Max. <sup>(1)</sup> 211 - 240 - 264 Vac	✓	✓	✓	✓	✓	✓	✓	
AC Frequency Min.-Nom.-Max. <sup>(1)</sup>				59.3 - 60 - 60.5				Hz
Max. Continuous Output Current	12.5	16	24 @ 208V 21 @ 240V	25	32	48 @ 208V 42 @ 240V	47.5	A
GFDI Threshold				1				A
Utility Monitoring, Islanding Protection, Country Configurable Thresholds				Yes				Yes
<b>INPUT</b>								
Maximum DC Power (STC)	4050	5100	6750	8100	10250	13500	15350	W
Transformer-less, Ungrounded				Yes				
Max. Input Voltage				500				Vdc
Nom. DC Input Voltage				325 @ 208V / 350 @ 240V				Vdc
Max. Input Current <sup>(2)</sup>	9.5	13	16.5 @ 208V 15.5 @ 240V	18	23	33 @ 208V 30.5 @ 240V	34.5	Adc
Max. Input Short Circuit Current				45				Adc
Reverse-Polarity Protection				Yes				
Ground-Fault Isolation Detection				600k $\Omega$ Sensitivity				
Maximum Inverter Efficiency	97.7	98.2	98.3	98.3	98	98	98	%
CEC Weighted Efficiency	97.5	98	97 @ 208V 98 @ 240V	97.5	97.5	97 @ 208V 97.5 @ 240V	97.5	%
Nighttime Power Consumption			< 2.5				< 4	W
<b>ADDITIONAL FEATURES</b>								
Supported Communication Interfaces				RS485, RS232, Ethernet, ZigBee (optional)				
Revenue Grade Data, ANSI C12.1				Optional <sup>(3)</sup>				
Rapid Shutdown – NEC 2014 690.12				Yes				
<b>STANDARD COMPLIANCE</b>								
Safety				UL1741, UL1699B, UL1998, CSA 22.2				
Grid Connection Standards				IEEE1547				
Emissions				FCC part15 class B				
<b>INSTALLATION SPECIFICATIONS</b>								
AC output conduit size / AWG range			3/4" minimum / 16-6 AWG			3/4" minimum / 8-3 AWG		
DC input conduit size / # of strings / AWG range			3/4" minimum / 1-2 strings / 16-6 AWG			3/4" minimum / 1-3 strings / 14-6 AWG		
Dimensions with Safety Switch (HxWxD)			30.5 x 12.5 x 7.2 / 775 x 315 x 184			30.5 x 12.5 x 10.5 / 775 x 315 x 260		in / mm
Weight with Safety Switch	51.2 / 23.2		54.7 / 24.7		88.4 / 40.1		lb / kg	
Cooling		Natural Convection			Natural convection and internal fan (user replaceable)	Fans (user replaceable)		
Noise		< 25			< 50		dB(A)	
Min.-Max. Operating Temperature Range		-13 to +140 / -25 to +60 (-40 to +60 version available <sup>(4)</sup> )						°F / °C
Protection Rating		NEMA 3R						

<sup>(1)</sup> For other regional settings please contact SolarEdge support.

<sup>(2)</sup> A higher current source may be used; the inverter will limit its input current to the values stated.

<sup>(3)</sup> Revenue grade inverter P/N: SExxxxA-US000NNR2 (for 7600W inverter:SE7600A-US002NNR2).

<sup>(4)</sup> -40 version P/N: SExxxxA-US000NNU4 (for 7600W inverter:SE7600A-US002NNU4).



# RoHS