



SolarEdge Single Phase Inverters For North America

SE3000A-US / SE3800A-US / SE5000A-US / SE6000A-US

INVERTERS



The best choice for SolarEdge enabled systems

- Superior efficiency (97.5%)
- Small, lightweight and easy to install on provided bracket
- Built-in module-level monitoring
- Internet connection through Ethernet or Wireless
- Outdoor and indoor installation
- Fixed voltage inverter, DC/AC conversion only
- Integral AC/DC Switch



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	SE3000A-US	SE3800A-US	SE5000A-US	SE6000A-US	
OUTPUT					
Rated AC Power Output	3000	3800	5000	6000	VA
Max. AC Power Output	3000	3800	5000	6000	VA
AC Output Voltage Min.-Nom.-Max.*	✓	✓	✓	-	
183 - 208 - 229 Vac					
AC Output Voltage Min.-Nom.-Max.*	✓	✓	✓	✓	
211 - 240 - 264 Vac					
AC Output Voltage Min.-Nom.-Max.*	-	-	✓	✓	
244 - 277 - 294 Vac					
AC Frequency Min-Nom-Max	59.3 - 60 - 60.5 (with HI country setting 57 - 60 - 60.5)				Hz
Max. Continuous Output Current	14.5 @ 208V / 12.5 @ 240V	18.5 @ 208V / 16 @ 240V	24 @ 208V / 21 @ 240V / 18.5 @ 277V	25 @ 240V / 22 @ 277V	A
GFDI	1				A
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes				
INPUT					
Recommended Max. DC Power ** (STC)	3750	4750	6250	7500	W
Transformer-less, Ungrounded	Yes				
Max. Input Voltage	500				Vdc
Nom. DC Input Voltage	325 @ 208v / 350 @ 240V / 400 @ 277V				Vdc
Max. Input Current	10	12.5	16	18	Adc
Reverse-Polarity Protection	Yes				
Ground-Fault Isolation Detection	600k Ω Sensitivity				
Maximum Inverter Efficiency	97.8	97.7	98.3	98.3	%
CEC Weighted Efficiency	97.5	97 @ 208V / 97.5@ 240V	97.5@ 208V, 240V / 98 @ 277V	97.5@ 240V / 98 @ 277V	%
Nighttime Power Consumption	< 2.5				W
ADDITIONAL FEATURES					
Supported Communication Interfaces	RS485, RS232, Ethernet, ZigBee (optional)				
STANDARD COMPLIANCE					
Safety	UL1741, CSA 22.2				
Grid Connection Standards	IEEE1547				
Emissions	FCC part15 class B				
INSTALLATION SPECIFICATIONS					
AC output conduit size / AWG range	3/4" minimum / 24-6 AWG				
DC input conduit size / # of strings / AWG range	3/4" minimum / 1-2 strings / 24-6 AWG				
Dimensions (HxWxD)	21 x 12.5 x 7 / 540 x 315 x 172	21 x 12.5 x 7.5 / 540 x 315 x 191			in / mm
Dimensions with AC/DC Safety Switch (HxWxD)	30.5 x 12.5 x 7 / 775 x 315 x 172	30.5 x 12.5 x 7.5 / 775 x 315 x 191			in / mm
Weight	44.7 / 20.2	47.7 / 21.7			lb / kg
Weight with AC/DC Safety Switch	51.2 / 23.2	54.7 / 24.7			lb / kg
Cooling	Natural Convection				
Noise	< 50				dBA
Min.-Max. Operating Temperature Range	-13 to +140 / -25 to +60 (CAN version*** -40 to +60)				°F / °C
Protection Rating	NEMA 3R				

* For other regional settings please contact SolarEdge support

** Higher input DC power may be installed; analyze yearly AC performance

*** CAN P/Ns are eligible for the Ontario FIT and microFIT



RoHS