



SolarEdge Single Phase Inverters

For North America

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

INVERTERS



The best choice for SolarEdge enabled systems

- Integrated arc fault protection (Type 1) for NEC 2011 690.11 compliance (part numbers ending in "-U")
- Superior efficiency (98%)
- 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
- Pre-assembled AC/DC Safety Switch for faster installation



Single Phase Inverters for North America

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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	3300	3800	5200 @ 208V / 5500 @240V, 277V	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	16 @ 208V / 14 @ 240V	16 @ 240V	25 @ 208V / 23 @ 240V / 20 @ 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	11	11.5	18	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	98	97.5 @ 208V / 98 @ 240V, 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, UL1699B (Part numbers ending in “-U”), UL1998 , 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 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 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

** Limited to 125% for locations where the yearly average high temperature is above 77°F/25°C. For detailed information, refer to http://www.solaredge.us/files/pdfs/inverter_dc_oversizing_guide.pdf

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



RoHS