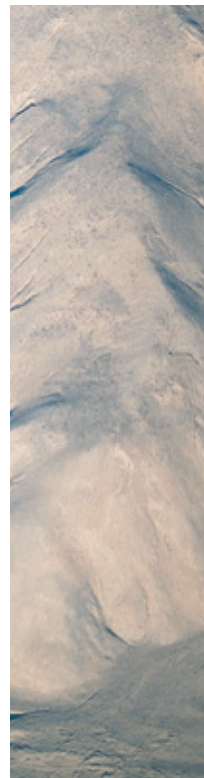


SolarEdge Single Phase Inverters (North America)



The only inverters specially designed for distributed DC architecture

- Superior efficiency (97.5%)
- Small, lightweight and easy to install on provided bracket
- Built-in module-level monitoring
- Communication to internet via Ethernet or Wireless
- Outdoor and indoor installation
- Integral AC/DC Switch



SE3000A-US

SE3800A-US - SE7000A-US

architects of energy™

Single Phase Inverters

SE3000A-US/SE3800A-US/SE5000A-US/ SE6000A-US/SE7000A-US

All our inverters are part of SolarEdge's innovative system designed to provide superior performance at a competitive price. The SolarEdge inverter combines a sophisticated, digital control technology and a one stage, ultra-efficient power conversion architecture to achieve superior performance – over 97% efficiency and best-in-class reliability. Our fixed-voltage technology ensures the inverter is always working at its optimal input voltage, regardless of the number of modules or environmental conditions. A proprietary data monitoring receiver is integrated in the single phase

inverter and aggregates SolarEdge power optimizer's performance data from each PV module. Multiple inverters can be connected in an RS485 bus or using a wireless Zigbee MESH network. The data from the solar inverters is transmitted to the web using an Ethernet connection or a wireless link and can be accessed via the SolarEdge Monitoring Portal for performance analysis, fault detection and troubleshooting. The inverter comes with an AC/DC safety switch and is light enough for a single person to install on a supplied bracket.

TECHNICAL DATA

	SE3000A-US	SE3800A-US	SE5000A-US	SE6000A-US	SE7000A-US	
OUTPUT						
Rated AC Power Output	3000	3800	5000	5200@208V 6000@240V 6000@277V	5200@208V 6000@240V 7000@277V	W
Max. AC Power Output	3000	3800	5000	5200@208V 6000@240V 6000@277V	5200@208V 6000@240V 7000@277V	W
AC Output Voltage Min.-Nom.-Max.	183 - 208 - 229 / 211 - 240 - 264		183 - 208 - 229 / 211 - 240-264 / 244- 277 - 294			Vac
AC Frequency Min.-Nom.-Max.	59.3 - 60 - 60.5					Hz
Max. Continuous Output Current @208V	14.5	18.5	24	25	25	A
Max. Continuous Output Current @240V	12.5	16	21	25	25	A
Max. Continuous Output Current @277V	-	-	18.5	22	25	A
GFDI	1					A
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes					
INPUT						
Recommended Max. DC Power * (STC)	3750	4750	6250	7500	8750	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	18.5	Adc
Reverse-Polarity Protection	Yes					
Ground-Fault Isolation Detection	600kΩ Sensitivity					
Maximum Inverter Efficiency	97.8	97.7	98.3	98.3	98.3	%
CEC Weighted Efficiency	97.5	97 @ 208V / 97.5@ 240V	97.5@ 208V, 240V / 98 @ 277V	97 @ 208V / 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, IEC-62103 (EN50178), IEC-62109					
Grid Connection Standards	Utility-Interactive, VDE 0126-1-1, AS-4777, RD-1663, DK 5940, IEEEE1547					
Emissions	FCC part15 class B, IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12					
RoHS	Yes					
INSTALLATION SPECIFICATIONS						
AC Output	3/4" Conduit					
DC Input	3/4" Conduit					
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 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	42 / 19	45 / 20.5				lb / kg
Weight with AC/DC Switch	48.5 / 22	52 / 23.5				lb / kg
Cooling	Natural Convection					
Min.-Max. Operating Temperature Range	-4 / -20 (CAN version -40 / -40) to +140 / +60					°F / °C
Protection Rating	NEMA 3R					

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

** The following Part Numbers are available (CAN PN's are eligible for the Ontario FIT and microFIT):

208/240V, min. operating temp -4F/-20C: SE3000A-US, SE3800A-US, SE5000A-US, SE6000A-US, SE7000A-US

277V, min. operating temp -4F/-20C: SE5000A-US, SE6000A-US, SE7000A-US

208/240V, min. operating temp -40F/-40C: SE3000A-US-CAN, SE3800A-US-CAN, SE5000A-US-CAN, SE6000A-US-CAN

277V, min operating temp -40F/-40C: SE5000A-US-CAN, SE6000A-US-CAN, SE7000A-US-CAN

USA 900 Golden Gate Terrace, Suite E, Grass Valley CA 95945, USA

Germany Bretonischer Ring 18, 85630 Grasbrunn (Munich), Germany

Japan B-9 Ariake Frontier Building, 3-7-26 Ariake, Koto-Ku, Tokyo 135-0063, Japan

Israel 6 HeHarash St. P.O.Box 7349, Neve Neeman, Hod Hasharon 45240, Israel

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