



SolarEdge Single Phase Inverters

for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US / SE7600H-US



INVERTERS

Optimized installation with HD-Wave technology

- Record-breaking efficiency
- Integrated arc fault protection for NEC 2011 690.11 and integrated rapid shutdown for NEC 2014 690.12
- Extremely small
- High reliability without any electrolytic capacitors
- Built-in module-level monitoring
- Outdoor and indoor installation
- Optional: Revenue grade data, ANSI C12.20 Class 0.5 (0.5% accuracy)
- Optional: Self-Sustaining Power - produce up to 1.5kW directly from PV during grid failure





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	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	
OUTPUT						
Rated AC Power Output	3000	3800	5000	6000	7600	VA
Max. AC Power Output	3000	3800	5000	6000	7600	VA
AC Output Voltage Min.-Nom.-Max. (183 - 208 - 229)	-	-	✓	-	-	Vac
AC Output Voltage Min.-Nom.-Max. (211 - 240 - 264)	✓	✓	✓	✓	✓	Vac
AC Frequency (Nominal)	59.3 - 60 - 60.5 ⁽¹⁾					Hz
Maximum Continuous Output Current 208V	-	-	24	-	-	A
Maximum Continuous Output Current 240V	12.5	16	21	25	32	A
GFDI Threshold	1					A
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes					
INPUT						
Maximum DC Power	4650	5900	7750	9300	11800	W
Transformer-less, Ungrounded	Yes					
Maximum Input Voltage	480					Vdc
Nominal DC Input Voltage	380					Vdc
Maximum Input Current 208V	-	-	15.5	-	-	Adc
Maximum Input Current 240V	8.5	10.5	13.5	16.5	20	Adc
Max. Input Short Circuit Current	45					Adc
Reverse-Polarity Protection	Yes					
Ground-Fault Isolation Detection	600k Ω Sensitivity					
Maximum Inverter Efficiency	99				99.2	%
CEC Weighted Efficiency	99					%
Nighttime Power Consumption	< 2.5					W
SELF-SUSTAINING POWER OUTLET (OPTIONAL)						
Nominal Output Voltage	120					V
Maximum Output Power	1500 ⁽²⁾					W
External Outlet with GFDI	Yes					
ADDITIONAL FEATURES						
Supported Communication Interfaces	RS485, Ethernet, ZigBee (optional), Cellular (optional)					
Internal RGM support	ANSI C12.20 class 0.5 compliant					
Rapid Shutdown - NEC 2014 690.12	Automatic Rapid Shutdown					
STANDARD COMPLIANCE						
Safety	UL1741, UL1699B, CSA C22.2, Canadian AFCl according to T.I.L. M-07					
Grid Connection Standards	IEEE1547, Rule 21, Rule14 (HI)					
Emissions	FCC Part 15 Class B					
INSTALLATION SPECIFICATIONS						
AC Output Conduit Size / AWG Range	0.75-1" Conduit / 14-6 AWG					
DC Input Conduit Size / # of Strings / AWG Range	0.75-1" Conduit / 1-2 strings / 14-6 AWG					
Dimensions with Safety Switch (HxWxD)	17.7 x 14.6 x 6.8 / 450 x 370 x 174					in / mm
Weight with Safety Switch	25.3 / 11.5					lb / kg
Noise	< 25					dBA
Cooling	Natural Convection					
Operating Temperature Range	-13 to +140 / -25 to +60 ⁽³⁾ (-40°F / -40°C option)					°F / °C
Protection Rating	NEMA 3R (Inverter with Safety Switch)					

⁽¹⁾ For other regional settings please contact SolarEdge support
⁽²⁾ Depends on PV availability
⁽³⁾ Power de-rating from 50°C



RoHS

