



HD-Wave Inverter Technical Specifications - North America

	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	Unit
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
Max. output fault current and duration @208V	-	-	26 / 20	-	-	A / ms
Max. output fault current and duration @240V	14 / 20	17.5 / 20	23 / 20	27.5 / 20	40 / 20	A / ms
Inrush current AC (Peak/Duration)	2.8/20					Aac(rms) / ms
Max. output overcurrent protection	40					A
Power factor range	1 (adjustable from -0.9 to +0.9)					
Total harmonic distortion	<3%					
GFDI Threshold	1					A

¹For other regional settings please contact SolarEdge support

	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	Unit
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				400	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	600 kΩ Sensitivity					
Maximum Inverter Efficiency	99	99.2				%
CEC Weighted Efficiency	99					%
Nighttime Power Consumption	<2.5					W
ADDITIONAL FEATURES						
Supported Communication Interfaces	RS485, Ethernet, ZigBee (optional), Cellular (Optional)					
Revenue Grade Data	Optional - ANSI C12.20 class 0.5 compliant					
Rapid Shutdown - NEC 2014 690.12	Automatic Rapid Shutdown					

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STANDARD COMPLIANCE						
Safety	UL1741, UL1699B, C22.2, Canadian AFCI according to T.I.L. M-07					
Grid Connection Standards	IEEE1547, Rule 21, Rule14 (HI)					
Emissions	FCC part15 class B					
RoHS	Yes					
INSTALLATION SPECIFICATIONS						
AC output conduit size / AWG range	0.75-1" Conduit / 14-6 AWG					
AC output - supported cable diameter	9 -16					mm
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 ¹ (-40°C option)					°F/°C
Storage temperature range	-40 to +176 / -40 to +80					°F/°C
Protection Rating	IP65 / Type 3R (Inverter with Safety Switch)					

¹Power de-rating from 50° C