Single Phase Inverter with HD-Wave Technology

SE2200H, SE3000H, SE3500H, SE3680H, SE4000H, SE5000H, SE6000H

12-25 YEAR WARRANTY

Optimized installation with HD-Wave technology

- Specifically designed to work with power optimizers

- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp

- Record-breaking efficiency

- Extremely small, lightweight and easy to install

- High reliability

- Built-in module-level monitoring

- Outdoor and indoor installation

- Fixed voltage inverter for longer strings

- Advanced safety feature - integrated arc fault protection

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	SE2200H	SE3000H	SE3500H	SE3680H	SE4000H	SE5000H	SE6000H	
APPLICABLE TO INVERTERS WITH PART NUMBER				SEXXXXH-XXXXXBXX4				
OUTPUT								
Rated AC Power Output	2200	3000	3500	3680	4000	5000[1]	6000	VA
Maximum AC Power Output	2200	3000	3500	3680	4000	5000[1]	6000	VA
AC Output Voltage (Nominal)				220/230				Vac
AC Output Voltage Range				184 - 264.5				Vac
AC Frequency (Nominal)				50/60 ± 5				Hz
Maximum Continuous Output Current	10	14	16	16	18.5	23	27.5	A
Total Harmonic Distortion (THD)				<3				%
Power Factor				1, adjustable -0.9 to 0.9				
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds				Yes				
INPUT								
Maximum DC Power	3400	4650	5425	5700	6200	7750[2]	9300	W
Transformer-less, Ungrounded				Yes				
Maximum Input Voltage				480				Vdc
Nominal DC Input Voltage				380				Vdc
Maximum Input Current	6.5	9	10	10.5	11.5	13.5	16.5	Adc
Reverse-Polarity Protection				Yes				
Ground-Fault Isolation Detection				600kΩ Sensitivity per Unit				
Maximum Inverter Efficiency				99.2				%
European Weighted Efficiency	98.3		98.8			99		%
Nighttime Power Consumption				< 2.5				W
ADDITIONAL FEATURES								
Supported Communication Interfaces			RS485, Ethernet, Wi-Fi (optional), Cellular (optional), ZigBee (optional)					
Smart Energy Management				Export Limitation				
Inverter Commissioning			With the SetApp mobile application using built in Wi-Fi station for local connection					
Arc Fault Protection				Integrated, User Configurable (According to UL1699B)				
STANDARD COMPLIANCE								
Safety				IEC-62109-1/2				
Grid Connection Standards			IEC61727, IEC62116, EN 50438, VDE-AR-N-4105, VDE 0126-1-1, UTE_C_15-712, G98, G99, CEI-021, ÖNORM, TF3.2.1, C10-11, NRS 097-2-1					
Emissions			IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, FCC Part 15 Class B					
INSTALLATION SPECIFICATIONS								
AC Output - Supported Cable Diameter				9-16				mm
AC - Supported Wire Cross Section				1-13				mm²
DC Input			1 x MC4			2 x MC4 pair		
Dimensions (H x W x D)				280 x 370 x 142				mm
Noise				< 25				dBA
Weight			7.8			9	10.6	kg
Cooling				Natural Convection				
Operating Temperature Range				-40 to +60[3]				°C
Protection Rating				IP65 — Outdoor and Indoor				

[1] 4600VA in Germany
[2] 7130VA in Germany
[3] Full power up to at least 50°C / 122°F. For power de-rating information refer to: https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf

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