

# Single Phase Inverter with HD-Wave Technology For the Philippines

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



## 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 features - integrated arc fault protection and rapid shutdown

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	SE2200H	SE3000H	SE3500H	SE3680H	SE4000H	SE5000H	SE6000H		
APPLICABLE TO INVERTERS WITH PART NUMBER	SEXXXXH-XXXXBXX4								
<b>OUTPUT</b>									
Rated AC Power Output	2200	3000	3500	3680	4000	5000	6000	VA	
Maximum AC Power Output	2200	3000	3500	3680	4000	5000	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								
<b>INPUT</b>									
Maximum DC Power	3400	4650	5425	5700	6200	7750	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	
<b>ADDITIONAL FEATURES</b>									
Supported Communication Interfaces	RS485, Ethernet, Wi-Fi <sup>(1)</sup> , Cellular (optional)								
Smart Energy Management <sup>(2)</sup>	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)								
Rapid Shutdown	Automatic Rapid Shutdown upon AC grid disconnect								
<b>STANDARD COMPLIANCE</b>									
Safety	IEC-62109-1/2								
Grid Connection Standards	IEC61727, IEC62116, EN 50438, VDE-AR-N-4105, VDE 0126-1-1, UTE_C_15-712, G83/2, G59/3, CEI-021, ÖNORM, TF3.2.1, C10-11, NRS 097-2-1								
Electromagnetic Compatibility (EMC)	EN/IEC 61000-6-1, EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN/IEC 61000-6-4, EN 55011, FCC Part 15, EN/IEC 61000-3-2, EN/IEC 61000-3-3, EN/IEC 61000-3-11, EN/IEC 61000-3-12								
<b>INSTALLATION SPECIFICATIONS</b>									
AC Output - Supported Cable Diameter	9-16							mm	
AC - Supported Wire Cross Section	1-13							mm <sup>2</sup>	
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 <sup>(3)</sup>							°C	
Protection Rating	IP65 — Outdoor and Indoor								

<sup>(1)</sup> Wi-Fi connectivity requires an external antenna. For more information refer to: <https://www.solaredge.com/sites/default/files/se-wifi-zigbee-antenna-datasheet.pdf>

<sup>(2)</sup> An export meter is required for export limitation and most of home energy management functions

<sup>(3)</sup> 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>