

## Single Phase Inverter with HD-Wave Technology

For India

SE3000H, SE4000H, SE5000H\*



### 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

\*Only for Sri Lanka

# / Single Phase Inverter with HD-Wave Technology

## Single Phase, for India

SE3000H, SE4000H, SE5000H\*

	SE3000H	SE4000H	SE5000H	
APPLICABLE TO INVERTERS WITH PART NUMBER	SEXXXXH-XXXXXBXX4			
<b>OUTPUT</b>				
Rated AC Power Output	3000	4000	5000	VA
Maximum AC Power Output	3000	4000	5000	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	14	18.5	23	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	6000	8000	10000	W
Transformer-less, Ungrounded	Yes			
Maximum Input Voltage	480			Vdc
Nominal DC Input Voltage	380			Vdc
Maximum Input Current	9	11.5	13.5	Adc
Reverse-Polarity Protection	Yes			
Ground-Fault Isolation Detection	600kΩ Sensitivity per Unit			
Maximum Inverter Efficiency	99.2			%
European Weighted Efficiency	98.8	99		%
Nighttime Power Consumption	< 2.5			W
<b>ADDITIONAL FEATURES</b>				
Supported Communication Interfaces	RS485, Ethernet, Wi-Fi <sup>(1)</sup>			
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)			
<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		kg
Cooling	Natural Convection			
Operating Temperature Range	-40 to +60 <sup>(3)</sup>			°C
Protection Rating	IP65 - Outdoor and Indoor			

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<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>.