

SolarEdge Home Wave Inverter

Single Phase, for India

SE3000H / SE4000H / SE5000H



Optimized installation with HD-Wave technology

- Specifically designed to work with SolarEdge Power Optimizers
- Industry leading efficiency with 150% DC oversizing
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Extremely compact, lightweight, and easy to install
- Built-in module-level monitoring
- Suitable for outdoor and indoor installation
- Fixed voltage inverter for longer strings
- Advanced safety feature – integrated arc fault protection

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APPLICABLE TO INVERTERS WITH PART NUMBER	SEXXXXH-RW000BEN4			UNITS		
	SE3000H	SE4000H	SE5000H			
OUTPUT						
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					
INPUT						
Maximum DC Power	4500	6000	7500	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		
ADDITIONAL FEATURES						
Supported Communication Interfaces	RS485; Ethernet; Wi-Fi (optional) ⁽¹⁾					
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 UL 1699B)					
STANDARD COMPLIANCE						
Safety	IEC 62109-1/2; BIS – IS 16221 (Part 2):2015					
Grid Connection Standards	IEC 61727; IEC 62116; EN 50438; VDE-AR-N-4105; VDE 0126-1-1; UTE_C_15-712; G83/2; G59/3; CEI-021; C10-11; NRS 097-2-1; BIS – IS 16169: 2014					
Electromagnetic Compatibility (EMC)	EN/IEC 61000-6-1; EN/IEC 61000-6-3; EN/IEC 61000-3-2; EN/IEC 61000-3-3; EN/IEC 61000-3-11; EN/IEC 61000-3-12					
Others	IEC 61683, IEC 60068-2-1,2,14,30, IEC 60529					
INSTALLATION SPECIFICATIONS						
Warranty	8 ⁽²⁾			Years		
AC Output – Supported Cable Diameter	9 – 16			mm		
AC – Supported Wire Cross Section	1 – 13			mm ²		
DC Input	1 x MC4	2 x MC4 pairs				
Dimensions (H x W x D)	280 x 370 x 142			mm		
Noise	< 25			dBA		
Cooling	Natural Convection					
Operating Temperature Range	-40 to +60 ⁽³⁾			°C		
Protection Rating	IP65 – outdoor and Indoor					
Weight	7.8	9		kg		

(1) Wi-Fi connectivity requires an external antenna. For more information refer to [Antenna for Wi-Fi and ZigBee Wireless Communications](#) datasheet.

(2) For specific warranty details of the SolarEdge Home Wave Inverter in India, refer to the [SolarEdge Limited Product Warranty \(India\)](#).

(3) Full power up to at least 50°C / 122°F. For power derating information, refer to the [Temperature Derating](#) technical note.