

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	SEXXXH-RW000BEN4			
	SE3000H	SE4000H	SE5000H	UNITS
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.