

SolarEdge Home Wave Inverter

Single Phase, for Europe

SE2200H / SE3000H / SE3500H / SE3680H / SE4000H /
SE5000H / SE6000H



Optimized installation with HD-Wave technology

- / Specifically designed to work with SolarEdge Power Optimizers
- / Industry leading efficiency with 200% 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
- / Seamless wireless connectivity with system devices such as the SolarEdge Home Battery, via the optional SolarEdge Home Network platform
- / 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
	SE2200H	SE3000H	SE3500H	SE3680H	SE4000H	SE5000H	SE6000H	
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	4400	6000	7000	7360	8000	10,000 ⁽²⁾	12,000	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
BATTERY STORAGE								
Supported Battery Models	SolarEdge Home Battery 400V for Europe							
Number of Batteries per Inverter	Up to 3							
Continuous Power ⁽³⁾	5000 W per battery							
ADDITIONAL FEATURES								
Supported Communication Interfaces	RS485, Ethernet, Wi-Fi (optional), wireless SolarEdge Home Network (optional) ⁽⁴⁾ , Cellular (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	IEC 61727, IEC 62116, EN 50438, VDE-AR-N-4105, VDE 0126-1-1, UTE_C_15-712, G98,G99, CEI-021, ONORM, 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							
INSTALLATION SPECIFICATIONS								
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 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 ⁽⁵⁾							°C
Protection Rating	IP65 – outdoor and Indoor							

(1) 4600 VA in Germany.

(2) 7130 VA in Germany.

(3) The total continuous discharge power is limited up to the inverter's rated AC power for on-grid applications.

(4) For more information, refer to the [SolarEdge Home Network Plug-in](#) datasheet.

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