SolarEdge Home Wave Inverter

Single Phase, for Europe (2.2 – 6 kW)

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

INVERTERS



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-RW000BNN4							
	SE2200H	SE3000H	SE3500H	SE3680H	SE4000H	SE5000H	SE6000H	UNITS
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	10000(2)	12000	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
ADDITIONAL FEATURES								
Supported Communication Interfaces	RS485, Ethernet, Wi-Fi (optional), wireless SolarEdge Home Network (optional)(3), Cellular (optional), ZigBee (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	IEC61727, IEC62116, EN 50438, VDE-AR-N-4105, VDE 0126-1-1, UTE_C_15-712, G98,G99, 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							
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(4)							˚C
Protection Rating	IP65 – Outdoor and Indoor							

(1) 4600VA in Germany
(2) 7130VA in Germany
(3) For more information, refer to the SolarEdge Home Network Plug-in datasheet.
(4) Full power up to at least 50˚C / 122˚F. For power de-rating information refer to the Temperature De-Rating Technical Note.

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CE RoHS