

SolarEdge Home Wave Inverter

Single Phase, for Europe

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
- Seamless wireless connectivity with system devices such as the SolarEdge Home Battery, via optional SolarEdge Home Network platform
- 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

SolarEdge Home Wave Inverter

Single Phase, for Europe (2.2 – 6 kW)

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

SE2200H SE3000H SE3500H SE3680H SE4000H SE5000H SE6000H								
APPLICABLE TO INVERTERS WITH PART NUMBER					SEXXXXH-XXXXXBXXX4			
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: <https://www.solaredge.com/sites/default/files/se-energy-net-plug-in-datasheet.pdf>

(4) 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>