

Single Phase Inverter

with HD-Wave technology

solar^{edge}



Single Phase Inverter with HD-Wave Technology

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



INVERTERS

Optimized installation with HD-Wave technology

- Specifically designed to work with power optimizers
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Record-breaking efficiency
- Extremely small, lightweight and easy to install
- High reliability
- Built-in module-level monitoring
- Outdoor and indoor installation
- Fixed voltage inverter for longer strings
- Advanced safety feature - integrated arc fault protection

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	SE2200H	SE3000H	SE3500H	SE3680H	SE4000H	SE5000H	SE6000H					
APPLICABLE TO INVERTERS WITH PART NUMBER	SEXXXXH-XXXXXBXX4											
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	3400	4650	5425	5700	6200	7750 ⁽²⁾	9300 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), 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											
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, FCC Part 15 Class B											
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 ⁽³⁾						°C					
Protection Rating	IP65 — Outdoor and Indoor											

⁽¹⁾ 4600VA in Germany

⁽²⁾ 7130VA in Germany

⁽³⁾ 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>