
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

/ Single Phase Inverter with HD-Wave Technology

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| | SE2200H | SE3000H | SE3500H | SE3680H | SE4000H | SE5000H | SE6000H | |
|--|---|---------|---------|--------------|---------|---------------------|---------|-----------------|
| APPLICABLE TO INVERTERS WITH PART NUMBER | SEXXXXH-XXXXBXX4 | | | | | | | |
| 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, G83/2, G59/3, 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>