

SolarEdge Home Wave Inverter

Single Phase, for France, Spain, UK,
and Hong Kong

SE8000H, SE10000H



Optimized installation with HD-Wave technology

- / Specifically designed to work with SolarEdge Power Optimizers
- / Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- / Industry leading efficiency with 200% DC oversizing
- / 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

(1) For more information, refer to: <https://www.solaredge.com/sites/default/files/se-energy-net-plug-in-datasheet.pdf>

SolarEdge Home Wave Inverter

Single Phase, for France, Spain, UK and Hong Kong (8 – 10 kW)

SE8000H, SE10000H

| | SE8000H | SE10000H | |
|--|---|--|-----------------|
| APPLICABLE TO INVERTERS WITH PART NUMBER | | SEXXXXH-XXXXXXBXX4 (Inverters with SetApp Configuration) | |
| OUTPUT | | | |
| Rated AC Power Output | 8000 | 10000 | VA |
| Maximum AC Power Output | 8000 | 10000 | 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 | 36.5 | 45.5 | A |
| Total Harmonic Distortion (THD) | <3 | | % |
| Power Factor | 1, adjustable -0.8 to 0.8 | | |
| Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds | Yes | | |
| INPUT | | | |
| Maximum DC Power | 16000 | 20000 | W |
| Transformer-less, Ungrounded | Yes | | |
| Maximum Input Voltage | 480 | | Vdc |
| Nominal DC Input Voltage | 400 | | Vdc |
| Maximum Input Current | 20.5 | 25.5 | Adc |
| Reverse-Polarity Protection | Yes | | |
| Ground-Fault Isolation Detection | 600kΩ Sensitivity per Unit | | |
| Maximum Inverter Efficiency | 99.2 | | % |
| European Weighted Efficiency | 99 | | % |
| Nighttime Power Consumption | < 2.5 | | W |
| ADDITIONAL FEATURES | | | |
| Supported Communication Interfaces | RS485, Ethernet, ZigBee (optional), wireless SolarEdge Home Network (optional) ⁽¹⁾ Wi-Fi (optional), Cellular (optional) | | |
| Smart Energy Management | Export Limitation | | |
| Arc Fault Protection | Integrated, User Configurable (According to UL1699B) | | |
| Inverter Commissioning | With the SetApp mobile application using built in Wi-Fi access point for local connection | | |
| Compatible Batteries | SolarEdge Energy Bank ⁽²⁾ | | |
| STANDARD COMPLIANCE | | | |
| Safety | IEC62109 | | |
| Grid Connection Standards | G83/1, G83/2, G59/3, RD661, RD1699, UTE C15-712 | | |
| 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 | 3 x MC4 pair | | |
| Dimensions (H x W x D) | 360 x 370 x 185 | | mm |
| Weight | 16.5 | | kg |
| Noise | < 50 | | dBA |
| Cooling | Natural Convection | | |
| Operating Temperature Range | -40 to +60 ⁽³⁾ | | °C |
| Protection Rating | IP65 — Outdoor and Indoor | | |

(1) For more information, refer to: <https://www.solaredge.com/sites/default/files/se-energy-net-plug-in-datasheet.pdf>

(2) Pending inverter firmware support

(3) Full power up to at least 50°C. For power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf>