



SolarEdge Single Phase Inverters



The best choice for SolarEdge enabled systems

- Superior efficiency (97.6%)
- Small, lightweight and easy to install
- Built-in module-level monitoring
- Communication to internet via Ethernet or Wireless
- IP65 – Outdoor and indoor installation



SE2200-SE3500

SE4000-SE6000

architects of energy™

Single Phase Inverters

SE2200/SE3000/SE3500/SE4000/SE5000/SE6000

All our inverters are part of SolarEdge's innovative system designed to provide superior performance at a competitive price. The SolarEdge inverter combines a sophisticated, digital control technology and a one stage, ultra-efficient power conversion

architecture to achieve superior performance – over 97% efficiency and best-in-class reliability. Our fixed-voltage technology ensures the inverter is always working at its optimal input voltage, regardless of the number of modules or environmental conditions.

TECHNICAL DATA

| | SE2200 | SE3000 | SE3500 | SE4000 | SE5000 | SE6000 | |
|---|--|--------|--------|-----------------|--------|--------|-----|
| OUTPUT | | | | | | | |
| Rated AC Power Output | 2200 | 3000 | 3500 | 4000 | 5000 | 6000 | W |
| Maximum AC Power Output | 2200 | 3000 | 3500 | 4000 | 5000 | 6000 | W |
| 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 | 12 | 16.5 | 19.5 * | 22 * | 27 | 27 | A |
| Residual Current Detector / Residual Current Step Detector | 300 / 30 | | | | | | mA |
| Utility Monitoring, Islanding Protection, Country Configurable Thresholds | Yes | | | | | | |
| INPUT | | | | | | | |
| Recommended Maximum DC Power ** (Module STC) | 2400 | 3300 | 3900 | 4400 | 5500 | 6600 | W |
| Transformer-less, Ungrounded | Yes | | | | | | |
| Maximum Input Voltage | 500 | | | | | | Vdc |
| Nominal DC Input Voltage | 350 | | | | | | Vdc |
| Maximum Input Current | 8.5 | 11.5 | 13.5 | 15.5 | 19.5 | 23 | Adc |
| Reverse-Polarity Protection | Yes | | | | | | |
| Ground-Fault Isolation Detection | 600kΩ Sensitivity | | | | | | |
| Maximum Inverter Efficiency | 97.6 | | | | | | % |
| European Weighted Efficiency | 97.6 | 97.6 | 97.5 | 97.5 | 97.4 | 97.4 | % |
| Nighttime Power Consumption | < 2.5 | | | | | | W |
| ADDITIONAL FEATURES | | | | | | | |
| Supported Communication Interfaces | RS485, RS232, Ethernet, Zigbee (optional) | | | | | | |
| STANDARD COMPLIANCE | | | | | | | |
| Safety | IEC-62103 (EN50178), IEC-62109 | | | | | | |
| Grid Connection Standards | VDE 0126-1-1, VDE-AR-N-4105, AS-4777, RD-1663 , DK 5940 | | | | | | |
| Emissions | IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, FCC part15 class B | | | | | | |
| RoHS | Yes | | | | | | |
| INSTALLATION SPECIFICATIONS | | | | | | | |
| AC Output | Cable Gland - diameter 11-17 | | | | | | mm |
| DC Input | MC4 | | | | | | |
| Dimensions (HxWxD) | 540 x 315 x 172 | | | 540 x 315 x 191 | | | mm |
| Weight | 19 | | | 20.5 | | | kg |
| Cooling | Natural Convection | | | | | | |
| Operating Temperature Range | -20 - +50 | | | | | | °C |
| Protection Rating | IP65 - Outdoor and Indoor | | | | | | |
| Bracket Mounted (Bracket Provided) | | | | | | | |

* For inverters with an AC current limit of 16A please refer to the "SE3500-4000-16A Inverter" datasheet.

** Higher input DC power may be installed; analyze yearly AC performance.



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