



SolarEdge Three Phase Inverters

(Australia)

SE5K-AUS - SE17K-AUS

INVERTERS



Specifically designed to work with power optimizers

- Superior efficiency (98%)
- Small, lightest in its class, and easy to install
- Built-in module-level monitoring
- Internet connection through Ethernet or Wireless
- IP65 – Outdoor and indoor installation
- Fixed voltage inverter, DC/AC conversion only



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| | SE5K-AUS | SE7K-AUS | SE8K-AUS | SE9K-AUS | SE10K-AUS | SE12.5K-AUS | SE15K-AUS | SE16K-AUS | SE17K-AUS | |
|--|--|----------|----------|----------|-----------|-------------|-----------|-----------|-----------|-----|
| OUTPUT | | | | | | | | | | |
| Rated AC Power Output | 4985 | 7000 | 8000 | 9000 | 10000 | 12500 | 15000 | 16000 | 17000 | VA |
| Maximum AC Power Output | 4985 | 7000 | 8000 | 9000 | 10000 | 12500 | 15000 | 16000 | 17000 | VA |
| AC Output Voltage - Line to Line / Line to Neutral (Nominal) | 400 / 230 | | | | | | | | | Vac |
| AC Output Voltage - Line to Neutral Range | 184 - 264.5 | | | | | | | | | Vac |
| AC Frequency | 50 ± 5 | | | | | | | | | Hz |
| Maximum Continuous Output Current (per Phase) | 8 | 11.5 | 13 | 14.5 | 16 | 20 | 23 | 25.5 | 26 | A |
| Residual Current Detector / Residual Current Step Detector | 300 / 30 | | | | | | | | | mA |
| Grids Supported - 3-Phase | 3 / N / PE ; 230 / 400 | | | | | | | | | V |
| Utility Monitoring, Islanding Protection, Configurable, Power Factor, Country, Configurable Thresholds | Yes | | | | | | | | | |
| INPUT | | | | | | | | | | |
| Recommended Maximum DC Power* (Module STC) | 5500 | 7700 | 8800 | 9900 | 11000 | 13700 | 16500 | 17600 | 18700 | W |
| Transformer-less, Ungrounded | Yes | | | | | | | | | |
| Nominal DC Input Voltage DC to Gnd | 375 | | | | | | | | | Vdc |
| Maximum Input Voltage DC to Gnd | 415 | | | | | | | | | Vdc |
| Nominal DC Input Voltage DC+ to DC- | 750 | | | | | | | | | Vdc |
| Maximum Input Voltage DC+ to DC- | 830 | | | | | | | | | Vdc |
| Maximum Input Current | 8.5 | 12 | 13.5 | 15 | 16.5 | 21 | 22 | 23 | 23 | Adc |
| Reverse-Polarity Protection | Yes | | | | | | | | | |
| Ground-Fault Isolation Detection | 1MΩ Sensitivity | | | | | | | | | |
| Maximum Inverter Efficiency | 98 | | | | | | | | | % |
| European Weighted Efficiency | 97.3 | 97.3 | 97.5 | 97.5 | 97.6 | 97.7 | 97.6 | 97.7 | 97.7 | % |
| 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 15-21 | | | | | | | | | mm |
| DC Input | 2 MC4 pairs | | | | | | | | | |
| Dimensions (HxWxD) | 540 x 315 x 260 | | | | | | | | | mm |
| Weight | 33.2 | | | | | | | | | kg |
| Operating Temperature Range | -20 - +60 (M40 version -40 - +60) | | | | | | | | | °C |
| Cooling | Fan (user replaceable) | | | | | | | | | |
| Noise | < 50 | | | | | | | | | dBA |
| Protection Rating | IP65 - Outdoor and Indoor | | | | | | | | | |
| Bracket Mounted (Bracket Provided) | | | | | | | | | | |

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

