

Three Phase Inverter For Israel

SE11.25K-SE17K



INVERTERS

Specifically designed to work with power optimisers

- /// Superior efficiency (98%)
- /// Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- /// Small, lightest in its class, and easy to install
- /// Built-in module-level monitoring
- /// Optional DC surge protection and DC fuses
- /// Internet connection through Ethernet or Wireless
- /// IP65 – Outdoor and indoor installation
- /// Fixed voltage inverter for longer strings
- /// Smart Energy Management control
- /// Optional integrated DC Safety Unit - eliminates the need for external DC isolators

/ Three Phase Inverter

For Israel

SE11.25K - SE17K

| Applicable to inverters with part numbers | SE11.25K | SE12.5K | SE15K | SE16K | SE17K | |
|--|--|---------|-------|-------|-------|-------|
| | SEXK-XXXXBXX4 | | | | | |
| OUTPUT | | | | | | |
| Rated AC Power Output | 11250 | 12500 | 15000 | 16000 | 17000 | VA |
| Maximum AC Power Output | 11250 | 12500 | 15000 | 16000 | 17000 | VA |
| AC Output Voltage - Line to Line / Line to Neutral (Nominal) | 380 / 220 ; 400 / 230 | | | | | Vac |
| AC Output Voltage - Line to Neutral Range | 184 - 264.5 | | | | | Vac |
| AC Frequency | 50/60 ± 5 | | | | | Hz |
| Maximum Continuous Output Current (per Phase) | 18 | 20 | 23 | 25.5 | 26 | A |
| Grids Supported - Three Phase | 3 / N / PE (WYE with Neutral) | | | | | V |
| Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds | Yes | | | | | |
| INPUT | | | | | | |
| Maximum DC Power (Module STC) | 15180 | 16850 | 22500 | 21600 | 22950 | W |
| Transformer-less, Ungrounded | Yes | | | | | |
| Maximum Input Voltage | 900 | | | | | Vdc |
| Operating Voltage Range | 680 - 1000 | | | | | Vdc |
| Maximum Input Current | 19 | 21 | 22 | 23 | | Adc |
| Reverse-Polarity Protection | Yes | | | | | |
| Ground-Fault Isolation Detection | 700kΩ Sensitivity | | | | | |
| Maximum Inverter Efficiency | 98 | | | | | % |
| European Weighted Efficiency | 97.7 | | 97.6 | 97.7 | | % |
| Nighttime Power Consumption | < 2.5 | | | | | W |
| ADDITIONAL FEATURES | | | | | | |
| Supported Communication Interfaces ⁽²⁾ | RS485, Ethernet, Zigbee, communications for Smart Energy (requires antenna) ⁽³⁾ Wi-Fi (requires antenna) ⁽³⁾ , Cellular (optional) | | | | | |
| Smart Energy Management | Export Limitation, Smart Energy | | | | | |
| DC SAFETY UNIT (OPTIONAL) | | | | | | |
| 2-pole Disconnection | N/A | | | | | |
| DC Surge Protection | N/A | | | | | |
| DC Fuses on Plus & Minus | N/A | | | | | |
| Compliance | N/A | | | | | |
| STANDARD COMPLIANCE | | | | | | |
| Safety | IEC-62103 (EN50178), IEC-62109, AS3100 | | | | | |
| Grid Connection Standards ⁽⁴⁾ | VDE-AR-N-4105, G59/3, AS-4777, EN 50438 , CEI-021, VDE 0126-1-1, CEI-016, BDEW | | | | | |
| Emissions | IEC61000-6-2, IEC61000-6-3 , IEC61000-3-11, IEC61000-3-12 | | | | | |
| RoHS | Yes | | | | | |
| INSTALLATION SPECIFICATIONS | | | | | | |
| AC output conduit size / Wire cross section | 15-21mm / Solid wire 2.5-16 mm ² , Stranded wire 2.5-10 mm ² | | | | | |
| DC Input | 2 MC4 pairs | | | | | |
| DC Input with Safety Unit | N/A | | | | | mm |
| Dimensions (H x W x D) | 540 x 315 x 260 | | | | | mm |
| Dimensions with Safety Unit (H x W x D) | N/A | | | | | mm |
| Weight | 30.7 | | | | | kg |
| Weight with Safety Unit | N/A | | | | | kg |
| Operating Temperature Range | -40 to +60 ⁽⁵⁾ | | | | | °C |
| Cooling | Fan (user replaceable) | | | | | |
| Noise | < 50 | | | | | dB(A) |
| Protection Rating | IP65 - Outdoor and Indoor | | | | | |
| Mounting | Bracket Provided | | | | | |

(1) Where permitted by local regulations

(2) Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>

(3) Antenna kit for ZigBee/Wi-Fi communication should be purchased separately

(4) For all standards refer to Certifications category in Downloads page: <http://www.solaredge.com/groups/support/downloads>

(5) For power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf>