

Three Phase Inverter For Israel

SE11.25K – SE17K



Specifically designed to work with power optimizers

- / 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 number		SEXK-XXXXXBXX4				
	SE11.25K	SE12.5K	SE15K	SE16K	SE17K	Units
OUTPUT						
Rated AC Power Output	11,250	12,500	15,000	16,000	17,000	VA
Maximum AC Power Output	11,250	12,500	15,000	16,000	17,000	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)	16,875	18,750	22,500	21,600	22,950	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 ⁽¹⁾	RS485; Ethernet; Zigbee communications for Smart Energy (requires antenna) ⁽²⁾ ; Wi-Fi (requires antenna) ⁽²⁾ ; Cellular (optional)					
Smart Energy Management	Export Limitation; Smart Energy					
DC SAFETY UNIT						
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 (EN 50178); IEC 62109; AS 3100					
Grid Connection Standards ⁽³⁾	VDE-AR-N-4105; G59/3; AS 4777; EN 50438; CEI 0-21; VDE 0126-1-1; CEI 0-16; BDEW					
Emissions	IEC 61000-6-2; IEC 61000-6-3; IEC 61000-3-11; 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 ⁽⁴⁾					°C
Cooling	Fan (user replaceable)					
Noise	< 50					dBA
Protection Rating	IP65 – outdoor and Indoor					
Mounting	Bracket Provided					

(1) Refer to the [Communications page](#) for optional communication options.

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

(3) For all standards refer to Certifications category in the [Knowledge Center](#).

(4) For power derating information refer to the [Temperature Derating](#) technical note.