

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>