

Three Phase Inverter For Israel

SE12.5K-SE27.6K



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

SE12.5K - SE27.6K

	SE12.5K	SE15K	SE16K	SE17K	SE25K	SE27.6K	
Applicable to inverters with part numbers	SEXK-XXXXXBXX4						
OUTPUT							
Rated AC Power Output	12500	15000	16000	17000	25000	27600	VA
Maximum AC Power Output	12500	15000	16000	17000	25000	27600	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)	20	23	25.5	26	38	40	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)	16850	22500	21600	22950	37500	41400	W
Transformer-less, Ungrounded	Yes						
Maximum Input Voltage	900						Vdc
Nominal DC Input Voltage	750						Vdc
Maximum Input Current	21	22	23	37	40		Adc
Reverse-Polarity Protection	Yes						
Ground-Fault Isolation Detection	700kΩ Sensitivity				350kΩ Sensitivity ⁽¹⁾		
Maximum Inverter Efficiency	98				98.3		%
European Weighted Efficiency	97.7	97.6	97.7	98			%
Nighttime Power Consumption	< 2.5				< 4		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			1000V / 40A			
DC Surge Protection	N/A			Type II, field replaceable			
DC Fuses on Plus & Minus	N/A			Optional, 20A			
Compliance	N/A			UTE-C15-712-1			
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				18-25mm / Solid wire 2.5-16 mm ² , Stranded wire 2.5-10 mm ²		
DC Input	2 MC4 pairs				3 MC4 pairs		
DC Input with Safety Unit	N/A				Gland diameter 5 - 10		mm
					Wire cross section 0.5 - 13.5		mm ²
Dimensions (HxWxD)	540 x 315 x 260						mm
Dimensions with Safety Unit (HxWxD)	N/A				775 x 315 x 260		mm
Weight	30.7				45		kg
Weight with Safety Unit	N/A				48		kg
Operating Temperature Range	-40 - +60 ⁽⁵⁾						
Cooling	Fan (user replaceable)						
Noise	< 50				< 55		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>