Three Phase Inverter

For Europe

SE12.5K - SE17K

INVERTERS



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
- Internet connection through Ethernet or Wireless
- IP65 – Outdoor and indoor installation
- Fixed voltage inverter for longer strings
- Smart Energy Management control
- Advanced safety features - integrated arc fault protection
- Optional RS485 surge protection

/ Three Phase Inverter
For Europe
SE12.5K - SE17K

Applicable to inverters with part number	SEXXK-XXXXXBXX4			
	SE12.5K	SE16K	SE17K	
OUTPUT				
Rated AC Active Output Power	12500	16000	17000	W
Maximum AC Apparent Output Power	12500	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	50/60 ± 5			Hz
AC Output Line Connections	20	25.5	26	Aac
Grids Supported - Three Phase	3 / N / PE (WYE with Neutral)			
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes			
THD	≤ 3			%
INPUT				
Maximum DC Power (Module STC)	16850	21600	22950	W
Transformer-less, Ungrounded	Yes			
Maximum Input Voltage DC+ to DC-	1000			Vdc
Nominal Input Voltage DC+ to DC-	750			Vdc
Maximum Input Current	21	23	23	Adc
Reverse-Polarity Protection	Yes			
Ground-Fault Isolation Detection	700kΩ Sensitivity			
Maximum Inverter Efficiency	98			%
European Weighted Efficiency	97.7			%
Nighttime Power Consumption	< 2.5			W
ADDITIONAL FEATURES				
Supported Communication Interfaces(1)	RS485, Ethernet, Wi-Fi (optional)(2) Cellular (optional)			
Inverter Comissioning	With the SetApp mobile application using built-in Wi-Fi access point for local connection			
Smart Energy Management	Export Limitation			
Arc Fault Protection	Integrated, User Configurable (According to UL1699B)			
RS485 Surge Protection	Optional(3)			
STANDARD COMPLIANCE				
Safety	IEC-62103 (EN50178), IEC-62109, AS3100			
Grid Connection Standards(4)	VDE-AR-N-4105, G99, AS-4777, EN50438, EN50549-1, CEI-021, VDE 0126-1-1, CEI-016, EN50549-1			
Electromagnetic Compatibility (EMC)	EN/IEC 61000-6-1, EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN/IEC 61000-6-4,EN 55011, FCC Part 15, EN/IEC 61000-3-2, EN/IEC 61000-3-3, EN/IEC 61000-3-11, EN/IEC 61000-3-12			
RoHS	Yes			
INSTALLATION SPECIFICATIONS				
AC Output Gland Diameter / Wire Cross Section	15-21mm / Solid wire 2.5-16 mm^2			
DC Input	2 MC4 pairs			
Dimensions (H x W x D)	549 x 317 x 264			mm
Weight	30.7			kg
Operating Temperature Range	-40 to +60(5)			˚C
Cooling	Fan (user replaceable)			
Noise	< 50			dBA
Protection Rating	IP65 - outdoor and indoor			
Mounting	Brackets provided			

(1) Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: http://www.solaredge.com/groups/support/downloads
(2) Wi-Fi connectivity requires connection of an additional Wi-Fi component, ordered separately. For more details ask your SolarEdge sales person or refer to: https://www.solaredge.com/products/communication
(3) An RS485 SPD plug-in can be purchased. Refer to: https://www.solaredge.com/sites/default/files/se_spd_plug_in_for_rs485_for_3ph_with_setapp_ds.pdf
(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

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CE RoHS