Three Phase Inverter
For India
SE10K - SE27.6K

12-20[1]
YEAR WARRANTY

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Specifically designed to work with power optimizers

- Superior efficiency (98.3%)

- 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

- Optional integrated DC Safety Unit - eliminates the need for external DC isolators

- Advanced safety features - integrated arc fault protection and optional rapid shutdown

- Optional DC surge protection and DC fuses

[1] For inverter model SE10K warranty is 5 years

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	SE10K	SE17K	SE27.6K	
Applicable to inverters with part number	SEXXK-INXXXBXX4			

OUTPUT

Rated AC Power Output	10000	17000	27600	W
Maximum AC Power Output	10000	17000	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)	16	26	40	A
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)	13500	22950	37250	W
Transformer-less, Ungrounded	Yes			
Maximum Input Voltage	1000			Vdc
Operating Voltage Range	680 - 950			Vdc
Maximum Input Current	16.5	23	40	Adc
Reverse-Polarity Protection	Yes			
Ground-Fault Isolation Detection	700kΩ Sensitivity		350kΩ Sensitivity[1]	
Maximum Inverter Efficiency	97.6	98	98.3	%
European Weighted Efficiency	97.7		98	%
Nighttime Power Consumption	< 2.5		< 4	W

ADDITIONAL FEATURES

Supported Communication Interfaces	RS485, Ethernet, Wi-Fi (requires antenna)[2], ZigBee (optional), 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)			
Rapid Shutdown	N/A		Optional[3] (Automatic upon AC Grid Disconnect)	
RS485 Surge Protection	Optional[4]			

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[5]	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 Gland Diameter / Wire Cross Section	15-21mm / Solid wire 2.5-16 mm²		18-25mm / Solid wire 2.5-16 mm², Stranded wire 2.5-10 mm²	
DC Input	2 MC4 pairs		3 MC4 pairs	
DC Input with Safety Unit	N/A		Gland diameter 5 - 10	mm
	N/A		Wire cross section 0.5 - 13.5	mm²
Dimensions (H x W x D)	540X315X191	540 x 315 x 260		mm
Dimensions with Safety Unit (H x W x D)	N/A		775 x 315 x 260	mm
Weight	16.4	30.7	45	kg
Weight with Safety Unit	N/A		48	kg
Operating Temperature Range	-40 to +60[6]			°C
Cooling	Internal Fan	Fan (user replaceable)		
Noise	< 50		< 55	dBA
Protection Rating	IP65 - Outdoor and Indoor			
Mounting	Bracket Provided			

[1] Where permitted by local regulations
[2] Wi-Fi connectivity requires an external antenna. For more information refer to: https://www.solaredge.com/sites/default/files/se-wifi-zigbee-antenna-datasheet.pdf
[3] Inverter with rapid shutdown part number: SE27.6K-INRxxxxxx
[4] Provided with SE27.6K inverter only. An SPD plug-in can be purchased. Refer to: https://www.solaredge.com/products/communication/RS485-surge-protection-device#/
[5] For all standards refer to Certifications category in Downloads page: http://www.solaredge.com/groups/support/downloads
[6] For power de-rating information refer to: https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf

CE RoHS