

Three Phase Inverter For India

SE10K - SE27.6K



INVERTERS

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

/ Three Phase Inverter

For India

SE10K - SE27.6K

	SE10K	SE17K	SE27.6K	
Applicable to inverters with part number	SEXK-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)	11250	22950	37250	W
Transformer-less, Ungrounded	Yes			
Maximum Input Voltage	1000			Vdc
Nominal DC Input Voltage	750			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 Commissioning	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 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
	N/A		Wire cross section 0.5 - 13.5	mm ²
Dimensions (HxWxD)	540X315X191	540 x 315 x 260		mm
Dimensions with Safety Unit (HxWxD)	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 - +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-INRxxxxx

⁽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>