



SolarEdge Three Phase Inverters for Indoor Installation

SE4K - SE7K



INVERTERS

Specifically designed to work with power optimizers

- No external fan - Noise level suitable for residential environment
- Superior efficiency (98%)
- Small, lightest in its class, and easy to install
- Built-in module-level monitoring
- Internet connection through Ethernet or Wireless
- Indoor installation
- Fixed voltage inverter, DC/AC conversion only



SolarEdge Three Phase Inverters for Indoor Installations SE4K - SE7K

	SE4K ⁽¹⁾	SE5K	SE7K	
OUTPUT				
Rated AC Power Output	4000	5000	7000	VA
Maximum AC Power Output	4000	5000	7000	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)	6.5	8	11.5	A
Residual Current Detector / Residual Current Step Detector	300 / 30			mA
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)	5400	6750	9450	W
Transformer-less, Ungrounded	Yes			
Maximum Input Voltage	900			Vdc
Nominal DC Input Voltage	750			Vdc
Maximum Input Current	7	8.5	12	Adc
Reverse-Polarity Protection	Yes			
Ground-Fault Isolation Detection	700kΩ Sensitivity			
Maximum Inverter Efficiency	98			%
European Weighted Efficiency	97.3	97.3	97.3	%
Nighttime Power Consumption	< 2.5			W
ADDITIONAL FEATURES				
Supported Communication Interfaces ⁽²⁾	RS485, Ethernet, Zigbee (optional), Wi-Fi (optional), Built-in GSM (optional)			
STANDARD COMPLIANCE				
Safety	IEC-62103 (EN50178), IEC-62109			
Grid Connection Standards ⁽³⁾	VDE 0126-1-1, VDE-AR-N-4105, AS-4777, G83 / G59			
Emissions	IEC61000-6-2, IEC61000-6-3 , IEC61000-3-11, IEC61000-3-12, FCC part15 class B			
RoHS	Yes			
INSTALLATION SPECIFICATIONS				
AC Output	Cable Gland - diameter 15-21			mm
DC Input	2 MC4 pairs			
Dimensions (HxWxD)	540 x 315 x 260			mm
Weight	33.2			kg
Operating Temperature Range	-5 - 45			°C
Cooling	Internal fan			
Noise	< 40			dBA
Protection Rating	IP65			
Installation	Indoor			
Bracket Mounted (Bracket Provided)				

⁽¹⁾ Available in some countries; refer to Certifications category in Downloads page: <http://www.solaredge.com/groups/support/downloads>

⁽²⁾ Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>

⁽³⁾ For all standards refer to Certifications category in Downloads page: <http://www.solaredge.com/groups/support/downloads>

