



## SolarEdge Three Phase Inverters

SE4K - SE12.5K



INVERTERS

### Specifically designed to work with power optimizers

- Superior efficiency (98%)
- 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, DC/AC conversion only



# SolarEdge Three Phase Inverters

SE4K - SE12.5K<sup>(1)</sup>

	SE4K <sup>(2)</sup>	SE5K	SE7K	SE8K	SE9K	SE10K	SE12.5K	
<b>OUTPUT</b>								
Rated AC Power Output	4000	5000	7000	8000	9000	10000	12500	VA
Maximum AC Power Output	4000	5000	7000	8000	9000	10000	12500	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	13	14.5	16	20	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							
<b>INPUT</b>								
Maximum DC Power (Module STC)	5400	6750	9450	10800	12150	13500	16850	W
Transformer-less, Ungrounded	Yes							
Maximum Input Voltage	900							Vdc
Nominal DC Input Voltage	750							Vdc
Maximum Input Current	7	8.5	12	13.5	15	16.5	21	Adc
Reverse-Polarity Protection	Yes							
Ground-Fault Isolation Detection	700kΩ Sensitivity							
Maximum Inverter Efficiency	98							%
European Weighted Efficiency	97.3	97.3	97.3	97.5	97.5	97.6	97.7	%
Nighttime Power Consumption	< 2.5							W
<b>ADDITIONAL FEATURES</b>								
Supported Communication Interfaces <sup>(3)</sup>	RS485, Ethernet, Zigbee (optional), Wi-Fi (optional), Built-in GSM (optional)							
<b>STANDARD COMPLIANCE</b>								
Safety	IEC-62103 (EN50178), IEC-62109							
Grid Connection Standards <sup>(4)</sup>	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							
<b>INSTALLATION SPECIFICATIONS</b>								
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	-20 - +60 (M40 version -40 - +60)							°C
Cooling	Fan (user replaceable)							
Noise	< 50 <sup>(5)</sup>							dBA
Protection Rating	IP65 - Outdoor and Indoor							
Bracket Mounted (Bracket Provided)								

<sup>(1)</sup> For higher power models refer to: <http://www.solaredge.com/files/pdfs/products/inverters/se-three-phase-inverter-extended-power-datasheet.pdf>

<sup>(2)</sup> Available in some countries; refer to Certifications category in Downloads page: <http://www.solaredge.com/groups/support/downloads>

<sup>(3)</sup> Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>

<sup>(4)</sup> For all standards refer to Certifications category in Downloads page: <http://www.solaredge.com/groups/support/downloads>

<sup>(5)</sup> For inverters with a noise level suitable for residential environments refer to: <http://www.solaredge.com/files/pdfs/products/inverters/se-three-phase-indoor-inverter-datasheet.pdf>



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