



# SolarEdge Three Phase Inverters



## The best choice for SolarEdge enabled systems

- Superior efficiency (98%)
- Small, lightest in its class, and easy to install
- Built-in module-level monitoring
- Communication to internet via Ethernet or Wireless
- IP65 – Outdoor and indoor installation



architects of energy™



# Three Phase Inverters

## SE7k/SE8k/SE9k/SE10k/SE12.5k

All our solar inverters are part of SolarEdge's innovative system designed to provide superior performance at a competitive price. The SolarEdge PV inverter combines a sophisticated, cutting-edge digital control technology and a one stage, ultra-efficient power

conversion architecture to achieve superior performance – over 97% efficiency and best-in-class reliability. Our fixed-voltage technology ensures the inverter is always working at its optimal input voltage, regardless of the number of modules or environmental conditions.

### TECHNICAL DATA

	SE7k	SE8k	SE9k	SE10k	SE12.5k	
<b>OUTPUT</b>						
Rated AC Power Output	7000	8000	9000	10000	12500	VA
Maximum AC Power Output	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)	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 ; 230 / 400					V
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes					
<b>INPUT</b>						
Recommended Maximum DC Power * (Module STC)	7700	8800	9900	11000	13000	W
Transformer-less, Ungrounded	Yes					
Maximum Input Voltage	950					Vdc
Nominal DC Input Voltage	750					Vdc
Maximum Input Current	12	13.5	15	16.5	21	Adc
Reverse-Polarity Protection	Yes					
Ground-Fault Isolation Detection	600kΩ Sensitivity					
Maximum Inverter Efficiency	98					%
European Weighted Efficiency	97.7	97.6	97.6	97.5	97.4	%
Nighttime Power Consumption	< 2.5					W
<b>ADDITIONAL FEATURES</b>						
Supported Communication Interfaces	RS485, RS232, Ethernet, Zigbee (optional)					
<b>STANDARD COMPLIANCE</b>						
Safety	IEC-62103 (EN50178), IEC-62109					
Grid Connection Standards	VDE 0126-1-1, VDE-AR-N-4105, AS-4777, RD-1663, DK 5940					
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 11-17					mm
DC Input	MC4					
Dimensions (HxWxD)	540 x 315 x 260					mm
Weight	32					kg
Operating Temperature Range	-20 - +60					°C
Cooling	Fan (user replaceable)					
Protection Rating	IP65 - Outdoor and Indoor					
Bracket Mounted (Bracket Provided)						

\* Higher input DC power may be installed; analyze yearly AC performance.

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