



# 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 - SE17k

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	SE15k	SE16k	SE17k	
<b>OUTPUT</b>									
Rated AC Power Output	7000	8000	9000	10000	12500	15000	16000	17000	VA
Maximum AC Power Output	7000	8000	9000	10000	12500	15000	16000	17000	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	23	25.5	26	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	13700	16500	17600	18700	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	22	23	23	Adc
Reverse-Polarity Protection	Yes								
Ground-Fault Isolation Detection	1MΩ Sensitivity								
Maximum Inverter Efficiency	98								%
European Weighted Efficiency	97.7	97.6	97.6	97.5	97.4	97.4	97.4	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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