



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/SE15k/SE16k/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*	
OUTPUT									
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								
INPUT									
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
ADDITIONAL FEATURES									
Supported Communication Interfaces	RS485, RS232, Ethernet, Zigbee (optional)								
STANDARD COMPLIANCE									
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								
INSTALLATION SPECIFICATIONS									
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)									

* Certification pending.

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



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