



SolarEdge Three Phase Inverters

SE4K - SE17K



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 - SE17K

	SE4K*	SE5K	SE7K	SE8K	SE9K	SE10K	SE12.5K	SE15K	SE16K	SE17K	
OUTPUT											
Rated AC Power Output	4000	5000	7000	8000	9000	10000	12500	15000	16000	17000	VA
Maximum AC Power Output	4000	5000	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)	6.5	8	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 Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	3 / N / PE ; 230 / 400										V
	Yes										
INPUT											
Recommended Maximum DC Power** (Module STC)	5000	6250	8750	10000	11250	12500	15600	18750	20000	21250	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	22	23	23	Adc
Reverse-Polarity Protection	Yes										
Ground-Fault Isolation Detection	1MΩ Sensitivity										
Maximum Inverter Efficiency	98										%
European Weighted Efficiency	97.3	97.3	97.3	97.5	97.5	97.6	97.7	97.6	97.7	97.7	%
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 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										dBA
Protection Rating	IP65 - Outdoor and Indoor										
Bracket Mounted (Bracket Provided)											

* Available in Germany, Austria and Denmark; for other countries contact SolarEdge.

** Limited to 125% for locations where the yearly average high temperature is above 25°C and to 135% for locations where it is below 25°C. For detailed information, refer to http://www.solaredge.us/files/pdfs/inverter_dc_oversizing_guide.pdf

