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

SE5k - 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

	SE5k	SE7k	SE8k	SE9k	SE10k	SE12.5k	SE15k	SE16k	SE17k	
OUTPUT										
Rated AC Power Output	5000	7000	8000	9000	10000	12500	15000	16000	17000	VA
Maximum AC Power Output	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)	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	3 / N / PE ; 230 / 400									V
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes									
INPUT										
Recommended Maximum DC Power* (Module STC)	5500	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	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	97.7	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 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 to + 60)									˚C
Cooling	Fan (user replaceable)									
Noise	< 50									dBA
Protection Rating	IP65 - Outdoor and Indoor									
Bracket Mounted (Bracket Provided)										

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

USA ■ Germany ■ Italy ■ France ■ Japan ■ China ■ Israel

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