



SolarEdge Three Phase Inverters

(Australia)

SE5K-AUS - SE17K-AUS

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 (Australia) SE5K-AUS - SE17K-AUS

	SE5K-AUS	SE7K-AUS	SE8K-AUS	SE9K-AUS	SE10K-AUS	SE12.5K-AUS	SE15K-AUS	SE16K-AUS	SE17K-AUS	
OUTPUT										
Rated AC Power Output	4985	7000	8000	9000	10000	12500	15000	16000	17000	VA
Maximum AC Power Output	4985	7000	8000	9000	10000	12500	15000	16000	17000	VA
AC Output Voltage - Line to Line / Line to Neutral (Nominal)	400 / 230									Vac
AC Output Voltage - Line to Neutral Range	184 - 264.5									Vac
AC Frequency	50 ± 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 - 3-Phase Utility Monitoring, Islanding Protection, Configurable, Power Factor, Country, Configurable Thresholds	3 / N / PE ; 230 / 400									V
INPUT										
Recommended Maximum DC Power* (Module STC)	6250	8750	10000	11250	12500	15600	18750	20000	21250	W
Transformer-less, Ungrounded	Yes									
Nominal DC Input Voltage DC to Gnd	375									Vdc
Maximum Input Voltage DC to Gnd	415									Vdc
Nominal DC Input Voltage DC+ to DC-	750									Vdc
Maximum Input Voltage DC+ to DC-	830									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	97.3	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)										

* 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

