



SolarEdge Single Phase Inverters 16A



The best choice for SolarEdge enabled systems

- Superior efficiency (97.6%)
- Small, lightweight and easy to install
- Built-in module-level monitoring
- Communication to internet via Ethernet or Wireless
- IP65 – Outdoor and indoor installation



SE3000(*) (**)/SE3500(*) (**)

SE4000-16A

architects of energy™

Single Phase Inverters - 16A

SE3000(*) (**)/SE3500(*) (**)/SE4000-16A

All our inverters are part of SolarEdge's innovative system designed to provide superior performance at a competitive price. The SolarEdge inverter combines a sophisticated, 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

	SE3000(*) (**)	SE3500(*) (**)	SE4000-16A	
OUTPUT				
Rated AC Power Output	3000	3500	4000	W
Maximum AC Power Output	3000	3500	4000	W
AC Output Voltage (Nominal)	220 / 230			Vac
AC Output Voltage Range	184 - 264.5			Vac
AC Frequency (Nominal)	50 / 60 ± 5			Hz
Maximum Continuous Output Current	16			A
Residual Current Detector / Residual Current Step Detector	300 / 30			mA
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes			
INPUT				
Recommended Maximum DC Power*** (Module STC)	3300	3900	4400	W
Transformer-less, Ungrounded	Yes			
Maximum Input Voltage	500			Vdc
Nominal DC Input Voltage	350			Vdc
Maximum Input Current	11.5	13.5	15.5	Adc
Reverse-Polarity Protection	Yes			
Ground-Fault Isolation Detection	600kΩ Sensitivity			
Maximum Inverter Efficiency	97.6			%
European Weighted Efficiency	97.5			%
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 9-16			mm
DC Input	1 MC4 pair	2 MC4 pairs		
Dimensions (HxWxD)	540 x 315 x 172	540 x 315 x 191		mm
Weight	20.2	21.7		kg
Cooling	Natural Convection			
Noise	< 50			dBA
Operating Temperature Range	-20 - +50 (M40 version -40 - +50)			°C
Protection Rating	IP65 - Outdoor and Indoor			
Bracket Mounted (Bracket Provided)				

* SE3000-GBR & SE3500-GBR for United Kingdom.

** SE3000 & SE3500 for Denmark, Portugal, Poland should be set to country code DEN, PRT or POL respectively to limit to 16A. For other countries contact SolarEdge.

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



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

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