



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



SE3500-XXX*

SE4000-16A

architects of energy™

Single Phase Inverters - 16A

SE3500-XXX*/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

	SE3500-XXX*	SE4000-16A	
OUTPUT			
Rated AC Power Output	3500	4000	W
Maximum AC Power Output	3500	4000	W
AC Output Voltage (Nominal)	400/230 ; 380/220		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)	3900	4400	W
Transformer-less, Ungrounded	Yes		
Maximum Input Voltage	500		Vdc
Nominal DC Input Voltage	350		Vdc
Maximum Input Current	13.5	15.5	Adc
Reverse-Polarity Protection	Yes		
Ground-Fault Isolation Detection	600k Ω 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 11-17		mm
DC Input	MC4		
Dimensions (HxWxD)	540 x 315 x 172	540 x 315 x 191	mm
Weight	19	20.5	kg
Cooling	Natural Convection		
Operating Temperature Range	-20 - +50		°C
Protection Rating	IP65 - Outdoor and Indoor		
Bracket Mounted (Bracket Provided)			

* XXX can be GBR (United Kingdom), DEN (Denmark), PRT (Portugal), POL (Poland); for other countries contact SolarEdge

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



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