



SolarEdge Single Phase Inverters-16A

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



INVERTERS

Specifically designed to work with power optimizers

- Superior efficiency (97.6%)
- Small, lightweight 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



Single Phase Inverters - 16A

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

	SE3000(*) (**)	SE3500(*) (**)	SE4000-16A	
OUTPUT				
Rated AC Power Output	3000	3500	4000	VA
Maximum AC Power Output	3000	3500	4000	VA
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 countrycode 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.

