



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
- Compatible with the StorEdge Interface for Smart Energy Management StorEdge™ applications



Single Phase Inverters - 16A

SE3000⁽¹⁾⁽²⁾ / SE3500⁽¹⁾⁽²⁾ / SE4000-16A

	SE3000 ⁽¹⁾⁽²⁾	SE3500 ⁽¹⁾⁽²⁾	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				
Maximum DC Power (Module STC)	4050	4700	5400	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	600k Ω Sensitivity			
Maximum Inverter Efficiency	97.6			%
European Weighted Efficiency	97.5			%
Nighttime Power Consumption	< 2.5			W
ADDITIONAL FEATURES				
Supported Communication Interfaces ⁽³⁾	RS485, Ethernet, ZigBee (optional), Wi-Fi (optional), Built-in GSM (optional)			
Smart Energy Management	Export Limitation, StorEdge applications			
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			
Dimensions (HxWxD)	540 x 315 x 172	540 x 315 x 191		mm
Weight	20.2	21.7		kg
Cooling	Natural Convection			
Noise	<25			dBa
Operating Temperature Range	-20 - +50 (M40 version -40 - +50)			°C
Protection Rating	IP65 - Outdoor and Indoor			
Bracket Mounted (Bracket Provided)				

⁽¹⁾ SE3000-GBR & SE3500-GBR for United Kingdom

⁽²⁾ SE3000 & SE3500 for Denmark, Ireland, Latvia, Portugal and Poland should be set to country code DEN, IRL, LAT, PRT or POL respectively to limit to 16A. For other countries contact SolarEdge

⁽³⁾ Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>

