



# SolarEdge Single Phase Inverters



## 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



SE2200-SE3500

SE4000-SE6000

*architects of energy™*

# Single Phase Inverters

## SE2200/SE3000/SE3500/SE4000/SE5000/SE6000

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

	SE2200*	SE3000	SE3500	SE4000	SE5000	SE6000	
<b>OUTPUT</b>							
Rated AC Power Output	2200	3000	3500	4000	5000	6000	W
Maximum AC Power Output	2200	3000	3500	4000	5000	6000	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	12	16.5	19.5 **	22 **	27	27	A
Residual Current Detector / Residual Current Step Detector	300 / 30						mA
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes						
<b>INPUT</b>							
Recommended Maximum DC Power *** (Module STC)	2400	3300	3900	4400	5500	6600	W
Transformer-less, Ungrounded	Yes						
Maximum Input Voltage	500						Vdc
Nominal DC Input Voltage	350						Vdc
Maximum Input Current	8.5	11.5	13.5	15.5	19.5	23	Adc
Reverse-Polarity Protection	Yes						
Ground-Fault Isolation Detection	600kΩ Sensitivity						
Maximum Inverter Efficiency	97.6						%
European Weighted Efficiency	97.6	97.6	97.5	97.5	97.4	97.4	%
Nighttime Power Consumption	< 2.5						W
<b>ADDITIONAL FEATURES</b>							
Supported Communication Interfaces	RS485, RS232, Ethernet, Zigbee (optional)						
<b>STANDARD COMPLIANCE</b>							
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						
<b>INSTALLATION SPECIFICATIONS</b>							
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)							

\* Certification pending

\*\* For inverters with an AC current limit of 16A please refer to the "SE3500-4000-16A Inverter" datasheet.

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



**USA** 900 Golden Gate Terrace, Suite E, Grass Valley CA 95945, USA  
**Germany** Bretonischer Ring 18, 85630 Grasbrunn (Munich), Germany  
**Italy** VISMUNDA SRL- Corso Del Popolo 50/A, Treviso, Italy  
**Japan** B-9 Ariake Frontier Building, 3-7-26 Ariake, Koto-Ku, Tokyo 135-0063, Japan  
**China** City Center, 100 Zunyi Road, Building A, Unit 1204, Shanghai 200051, China  
**Israel** 6 HeHarash St. P.O.Box 7349, Neve Neeman, Hod Hasharon 45240, Israel

[www.solaredge.com](http://www.solaredge.com)

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