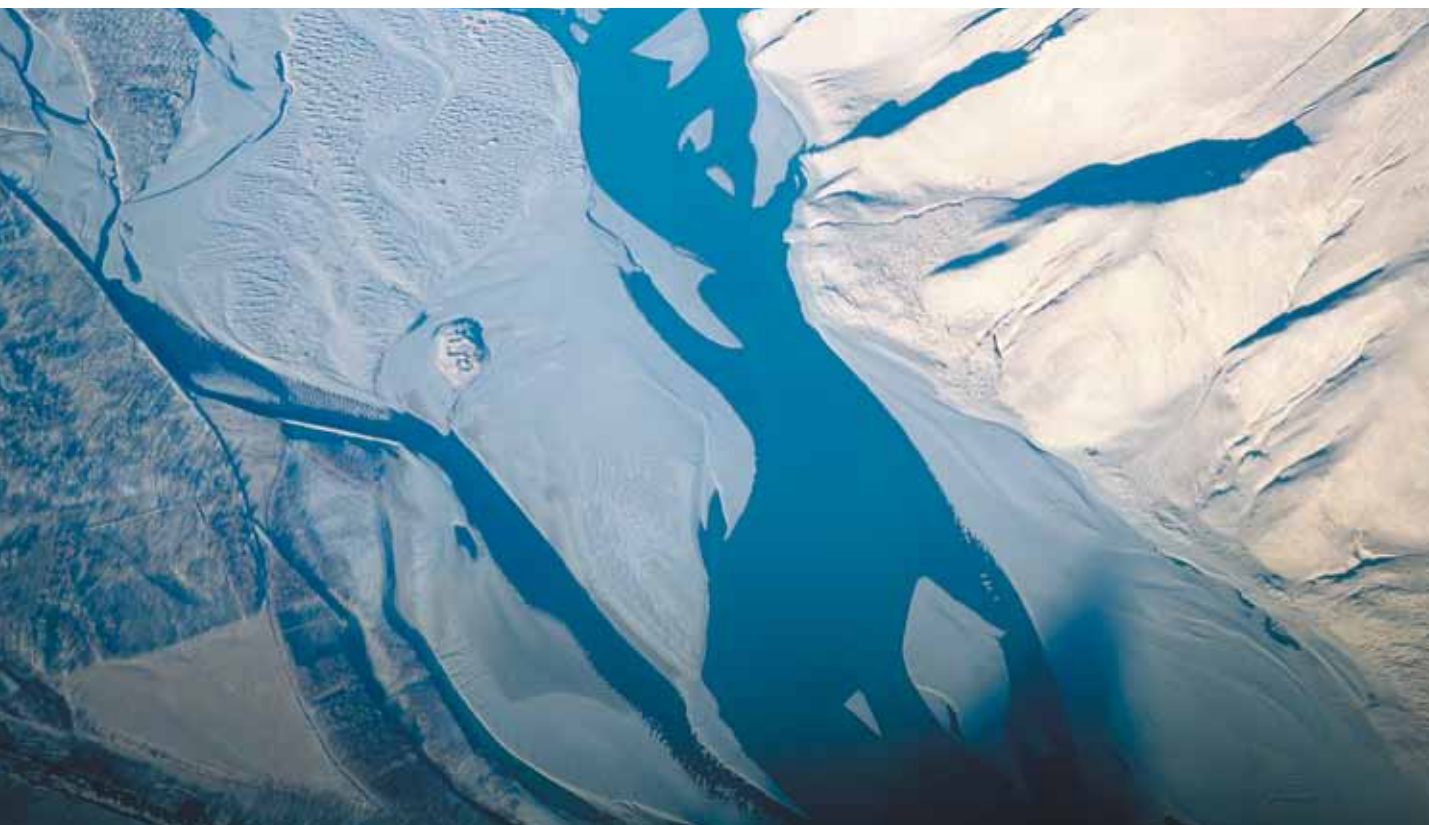




# SolarEdge Single Phase Inverters



## The best choice for SolarEdge enabled systems

- Superior efficiency (>97%)
- Small, lightweight and easy to install
- Built-in module-level monitoring
- Communication to internet via Ethernet or Wireless
- IP65 – Outdoor and indoor installation



*architects of energy™*

# Single Phase Inverters

## SE3300/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.

A proprietary data monitoring receiver is integrated in the inverter and aggregates SolarEdge PowerBox performance data from each PV module. Multiple inverters can be connected in an RS485 bus or using a wireless Zigbee MESH network. The data from the inverters is transmitted to the web using an Ethernet connection or a wireless link and can be accessed via the SolarEdge Monitoring Portal for performance analysis, fault detection and troubleshooting.

The inverter is light enough for a single person to install on a supplied bracket.

### TECHNICAL DATA

	SE3300	SE4000	SE5000	SE6000	
<b>OUTPUT</b>					
Rated AC Power Output	3300	4000	5000	6000	W
Maximum AC Power Output	3300	4000	5000	6000	W
AC Output Voltage (Nominal)	230				Vac
AC Output Voltage Range	184 - 264.5				Vac
AC Frequency (Nominal)	50 ± 5				Hz
Maximum Continuous Output Current	18	22	27	30	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)	3500	4200	5300	6200	W
Transformer-less, Ungrounded	Yes				
Maximum Input Voltage	550				Vdc
Nominal DC Input Voltage	350				Vdc
Maximum Input Current	13	16	20	23	Adc
Reverse-Polarity Protection	Yes				
Ground-Fault Isolation Detection	600kΩ Sensitivity				
Maximum Inverter Efficiency	97.6				%
European Weighted Efficiency	97.2	97.3	97.2	97.1	%
Nighttime Power Consumption	< 2.5				W
<b>STANDARD COMPLIANCE</b>					
Safety	IEC-62103 (EN50178), Draft IEC-62109, UL1741				
Grid Connection Standards	VDE 0126-1-1, AS-4777, RD-1663 , DK 5940, IEEE1547, NEC				
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 13-18				mm
DC Input	MC4 compatible				
Dimensions (HxWxD)	540 x 315 x 191				mm
Weight	23				kg
Cooling	Natural Convection				
Operating Temperature Range	-20 - +50				°C
Protection Rating	IP65 - Outdoor and Indoor				
Bracket Mounted (Bracket Provided)					

\* 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  
**Japan** B-9 Ariake Frontier Building, 3-7-26 Ariake, Koto-Ku, Tokyo 135-0063, Japan  
**Israel** 6 HaHarash St. P.O.Box 7349, Neve Neeman, Hod Hasharon 45240, Israel

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

**solaredge**  
 architects of energy™

© Copyright SolarEdge. 2009. All rights reserved. SolarEdge, the SolarEdge logo, PowerBox and architects of energy are trademarks or registered trademarks of SolarEdge, Ltd. All other trademarks mentioned herein are believed to be trademarks of their respective owners. Date: 01/2011. Subject to change without notice.