



# 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 receiver
- Communication to internet via broadband
- IP65 – Outdoor and indoor installation
- Excellent reliability with standard 12 year warranty



*architects of energy™*

# Single Phase Inverters

## SE3300/SE4000/SE5000

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. This data can be transmitted to the web and accessed via the SolarEdge Monitoring Portal for performance analysis, fault detection and troubleshooting.

The US inverter comes with a built-in DC switch while the European inverter can be fitted with a seamlessly attachable cabling duct for managing the installation wiring. Both are light enough for a single person to install on a supplied bracket.

### TECHNICAL DATA

	SE3300	SE4000	SE5000	
<b>OUTPUT</b>				
Rated AC Power Output	3300	4000	5000	W
Maximum AC Power Output	3300	4000	5000	W
AC Output Voltage (Nominal)	230			Vac
AC Output Voltage Range	184 - 264.5			Vac
AC Frequency (Nominal)	50			Hz
AC Frequency Range	47.5 - 50.2			Hz
Maximum Continuous Output Current	18	22	27	A
Total Harmonic Distortion (THD) at Maximum Power	< 3			%
Power Factor	> 0.99			
Residual Current Detector / Residual Current Step Detector	300 / 30			mA
Maximum DC Injection	130			mA
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes			
<b>INPUT</b>				
Recommended Maximum DC Power (Module STC)	3500	4200	5300	W
Transformer-less, Ungrounded	Yes			
Maximum Input Voltage	500			Vdc
MPPT Voltage Range	Not Applicable in SolarEdge System			
Maximum Input Current	13	16	20	Adc
Reverse-Polarity Protection	Yes			
Ground-Fault Isolation Detection	600k $\Omega$ Sensitivity			
Maximum Inverter Efficiency	97.6			%
European Weighted Efficiency	97.2	97.3	97.2	%
CEC Weighted Efficiency	97.2			%
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			
WEEE, RoHS	Yes			
<b>INSTALLATION SPECIFICATIONS</b>				
AC Output	Cable Gland - diameter 13-18 mm			
DC Input	MC3 / MC4 / Tyco			
Dimensions (WxLxH)	540x315x191			mm
Weight	23			kg
Cooling	Natural Convection			
Operating Temperature Range	-20 - +50			$^{\circ}$ C
Protection Rating	IP65 - Outdoor and Indoor			
Bracket Mounted (Bracket Provided), Optional Attachable Cabling Duct (EU), Integral DC Switch (US)				

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