



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 - 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	
OUTPUT							
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						
INPUT							
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
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)							

* For inverters with an AC current limit of 16A please refer to the "SE3000-4000-16A Inverter" datasheet.

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



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ACCUBEL
HVAC SOLUTIONS | RENEWABLE ENERGY

Industriestrasse 28 | B-4700 EUPEN

T +32 (0)87 59 16 50 | F +32 (0)87 59 16 55

E-mail: info@accubel.be | Internet: www.accubel.be

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