



## SolarEdge Single Phase Inverters

SE2200 - SE6000



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



# Single Phase Inverters

SE2200 - SE6000

	SE2200	SE3000	SE3500	SE4000	SE5000	SE6000	
<b>OUTPUT</b>							
Rated AC Power Output	2200	3000	3500	4000	5000	6000	VA
Maximum AC Power Output	2200	3000	3500	4000	5000	6000	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	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)	3000	3750	4350	5000	6250	7500	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 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.

\*\* Limited to 125% for locations where the yearly average high temperature is above 25 °C and to 135% for locations where it is below 25 °C. For detailed information, refer to [http://www.solaredge.us/files/pdfs/inverter\\_dc\\_oversizing\\_guide.pdf](http://www.solaredge.us/files/pdfs/inverter_dc_oversizing_guide.pdf)

