



## Technical Specifications - Single Phase Inverters - Australia

These specifications apply to inverters with Australian part numbers (SExxxx-AUxxxxxx or SExxxx-ER-01-AUS).

	SE2200	SE3000	SE3500	SE4000	SE4600	SE5000	SE6000	SE7300	Unit	
<b>Output</b>										
Rated AC power output	2200	2500 <sup>1</sup>	3000	3500	4000	4600	5000	6000	7300	VA
Maximum AC power output	2200	2500 <sup>1</sup>	3000	3500	4000	4600	5000	6000	7300	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	14	16.5	19.5	22	25	27	27	32	A
Max. continuous overcurrent protection	12	14	16.5	19.5	22	25	27	27	32	A
Residual current detector/ Residual current step detector	300/30									mA
Inrush current AC (Peak/Duration)	2.8/20									Aac(rms) / ms
Max. output fault current	38									A
Power factor range	1 (adjustable from -0.9 to +0.9)									
Total harmonic distortion	<3%									
Protective class	Class I									
Utility monitoring, islanding protection, country configurable thresholds	Yes									
Overvoltage category	III									

<sup>1</sup> Factory limited to 2.5kVA; part number SE3000-AU00LNNN2

	SE2200	SE3000	SE3500	SE4000	SE4600	SE5000	SE6000	SE7300	Unit	
<b>Input</b>										
Maximum DC power (Module STC)	2950	3375	4050	4700	5400	6210	6750	8100	9850	W
Transformer-less, ungrounded	Yes									
Maximum input voltage	500									Vdc
Nominal DC input voltage	350									Vdc
Maximum input current	8.5	10	11.5	13.5	15.5	17.5	19.5	23	25	Adc
Maximum back-feed current	0									Adc
Reverse-polarity protection	Yes									
Ground-fault isolation detection	600 kΩ Sensitivity									
Overvoltage category	III									
Maximum inverter efficiency	97.6									%
European weighted efficiency	97.6	97.6	97.6	97.5	97.5	97.4	97.4	97.4	97.4	%
Night-time power consumption	<2.5									W
<b>Additional Features</b>										
Supported communication interfaces <sup>1</sup>	RS485, RS232, Ethernet, ZigBee (optional), Built-in GSM (optional)									
Smart Energy Management	Export Limitation, StorEdge applications									
<b>Standard Compliance</b>										
Safety	IEC-62103 (EN50178), IEC-62109, AS-3100									
Grid connection standards	VDE-AR-N-4105, VDE 0126-1-1, AS-4777, RD-1663, DK 5940									

<sup>1</sup> Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>

	SE2200	SE3000	SE3500	SE4000	SE4600	SE5000	SE6000	SE7300	Unit
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, FCC part 15 class B								
RoHS	Yes								
<b>Installation Specifications</b>									
AC output	Cable Gland - diameter 9-16 mm <sup>2</sup>						Screw terminal block 2.5 – 10 mm <sup>2</sup>		
DC input	1 MC4 pair			2 MC4 pairs			Spring terminal block 4 - 10 mm <sup>2</sup>		
Dimensions (W x L x H)	540 x 315 x 172			540 x 315 x 191			N/A		mm
Dimensions including DC Safety Unit (HxWxD)	N/A						775 x 315 x 184		
Weight	20.2			21.7			24.7		kg
Cooling	Natural Convection								
Noise (typical)	< 25								dBA
Operating temperature range <sup>1</sup>	-20 - +50								°C
Maximum altitude	2000								m
Operating humidity – non condensing	< 95								%
Protection Rating/Environmental category	IP65 – Outdoor and Indoor								
Pollution degree classification (inside/outside)	2/3								
Bracket mounted (bracket provided)									

<sup>1</sup>For inverter power de-rating refer to the application note at the following link: <http://www.solaredge.com/files/pdfs/se-temperature-derating-note.pdf>

**Recommended** circuit breaker/fuse size to use at the connection point of the SolarEdge inverter to the grid:

Inverter	Maximum Output Current (A)	Maximum Suggested Fuse Rating (A)
SE2200	12	16
SE3000 2.5kVa	14	20
SE3000	16.5	20
SE3500	19.5	25
SE4000	22	25
SE4600	25	32
SE5000	27	32
SE6000	27	32
SE7300	32	40