



SolarEdge Single Phase Inverters (Australia)

SE2500H, SE3000H, SE3500H, SE4000H,
SE4600H, SE5000H, SE6000H



INVERTERS

Optimized installation with HD-Wave technology

- Specifically designed to work with power optimizers
- Record-breaking efficiency
- Extremely small, lightweight and easy to install
- High reliability without any electrolytic capacitors
- Built-in module-level monitoring
- Outdoor and indoor installation
- Compatible with the StorEdge Interface for Smart Energy Management StorEdge™ applications
- Integrated DC Safety Unit - Eliminates the need for external DC isolators





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	SE2500H	SE3000H	SE3500H	SE4000H	SE4600H	SE5000H	SE6000H	
OUTPUT								
Rated AC Power Output	2500	3000	3500	4000	4600	5000	6000	VA
Maximum AC Power Output	2500	3000	3500	4000	4600	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	11.5	14	16	18.5	21	23	27.5	A
Residual Current Detector / Residual Current Step Detector	300 / 30							mA
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes							
INPUT								
Maximum DC Power	3875	4650	5425	6200	7130	7750	9300	W
Transformer-less, Ungrounded	Yes							
Maximum Input Voltage	480							Vdc
Nominal DC Input Voltage	380							Vdc
Maximum Input Current	7.5	9	10	11.5	12.5	13.5	16.5	Adc
Reverse-Polarity Protection	Yes							
Ground-Fault Isolation Detection	600kΩ Sensitivity							
Maximum Inverter Efficiency	99.2							%
European Weighted Efficiency	98.3	98.8						%
Nighttime Power Consumption	< 2.5							W
ADDITIONAL FEATURES								
Supported Communication Interfaces	RS485, Ethernet, ZigBee (optional), WiFi (optional), Cellular (optional)							
Smart Energy Management	Export Limitation, StorEdge applications							
STANDARD COMPLIANCE								
Safety	IEC-62109-1/2, AS-3100							
Grid Connection Standards	AS-4777, VDE-AR-N-4105, VDE 0126-1-1, UTE C15-712, G83/2, G59/3, CEI-021, EN 50438, IEC61727, IEC62116, ÖNORM, TF3.2.1, C10-11, NRS 097-2-1							
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, FCC Part 15 Class B							
INSTALLATION SPECIFICATIONS								
AC Output Conduit Size / AWG Range	19-25.4mm Conduit / 14-6 AWG							
DC Input Conduit Size / # of Strings / AWG Range	19-25.4mm Conduit /1-2 strings / 14-6 AWG							
Dimensions with Safety Switch (HxWxD)	450 x 370 x 174							mm
Weight with Safety Switch	11.5							kg
Noise	< 25							dBA
Weight	9.5							kg
Cooling	Natural Convection							
Operating Temperature Range	-20 to +60 ⁽¹⁾ (-40°C option)							°C
Protection Rating	IP65 - Outdoor and Indoor							

⁽¹⁾ De-rating from 50°C



RoHS