

# Single Phase Inverter with HD-Wave Technology

for Australia

SE2500H, SE3000H, SE4000H,  
SE5000H, SE6000H, SE8000H, SE10000H

INVERTERS



## Optimised installation with HD-Wave technology

- Specifically designed to work with power optimisers
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Record-breaking efficiency
- Extremely small, lightweight and easy to install
- High reliability
- Built-in module-level monitoring (Wi-Fi antenna included)
- Outdoor and indoor installation
- Fixed voltage inverter for longer strings
- Advanced safety features - integrated arc fault protection

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	SE2500H	SE3000H	SE4000H	SE5000H	SE6000H	SE8000H	SE10000H	
<b>APPLICABLE TO INVERTERS WITH PART NUMBER</b>	<b>SEXXXXH-AUXXXXXX4</b>							
<b>OUTPUT</b>								
Rated AC Power Output	2500	3000	4000	5000	6000	8000	10000	VA
Maximum AC Power Output	2500	3000	4000	5000	6000	8000	10000	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	18.5	23	27.5	36.5	45.5	A
Total Harmonic Distortion (THD)	< 3							%
Power Factor	1, adjustable -0.8 to 0.8							
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes							
<b>INPUT</b>								
Maximum DC Power	3875	4650	6200	7750	9300	12400	15500	W
Transformer-less, Ungrounded	Yes							
Maximum Input Voltage	480							Vdc
Nominal DC Input Voltage	380				400			Vdc
Maximum Input Current	7.5	9	11.5	13.5	16.5	20.5	25.5	Adc
Reverse-Polarity Protection	Yes							
Ground-Fault Isolation Detection	600kΩ Sensitivity per Unit							
Maximum Inverter Efficiency	99.2							%
European Weighted Efficiency	98.3	98.8		99			%	
Nighttime Power Consumption	< 2.5							W
<b>ADDITIONAL FEATURES</b>								
Supported Communication Interfaces	RS485, Ethernet, ZigBee for Smart Energy (optional) <sup>(1)</sup> , Wi-Fi (Built-in; antenna included), Cellular (optional)							
Smart Energy Management <sup>(2)</sup>	Export Limitation							
Arc Fault Protection	Integrated, User Configurable (According to UL1699B)							
Inverter Commissioning	with the SetApp mobile application using built-in Wi-Fi Access-Point for local connection							
<b>STANDARD COMPLIANCE</b>								
Safety	IEC62109, AS/NZS3100							
Grid Connection Standards	AS/NZS4777:2015							
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, FCC Part 15 Class B							
<b>INSTALLATION SPECIFICATIONS</b>								
AC Output Conduit Size / Wire cross section	25mm Maximum / 1-13 mm <sup>2</sup>							
DC Input Conduit Size / # of Strings / Wire cross section	25mm Maximum / 1-2 strings / 1-13 mm <sup>2</sup>				25mm Maximum / 1-3 strings / 1-13 mm <sup>2</sup>			
Dimensions with Safety Switch (HxWxD)	450 x 370 x 174				540 x 370 x 185			mm
Weight with Safety Switch	10	11.4		11.9	17.6		kg	
Noise	< 25				< 50			dBA
Cooling	Natural Convection							
Operating Temperature Range	-40 to +60 <sup>(3)</sup>							°C
Protection Rating	IP65 — Outdoor and Indoor							

<sup>(1)</sup> For more information refer to: <https://www.solaredge.com/sites/default/files/se-zigbee-plug-in-wireless-communication-for-setapp-datasheet-au.pdf>

<sup>(2)</sup> An export meter is required for export limitation and most of home energy management functions

<sup>(3)</sup> Full power up to at least 50°C. For power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf>