



Single Phase Inverter with HD-Wave Technology for Australia

SE2500H, SE3000H, SE3500H, SE4000H,
SE4600H, SE5000H, SE6000H, SE8000H,
SE10000H



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
- Built-in module-level monitoring
- Outdoor and indoor installation
- Fixed voltage inverter for longer strings
- Smart Energy Management control
- Compatible with the StorEdge Interface for StorEdge™ applications





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	SE2500H	SE3000H	SE3500H	SE4000H	SE4600H	SE5000H	SE6000H	SE8000H	SE10000H		
OUTPUT											
Rated AC Power Output	2500	3000	3500	4000	4600	4985	6000	8000	10000	VA	
Maximum AC Power Output	2500	3000	3500	4000	4600	4985	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	16	18.5	21	21.7	27.5	36.5	45.5	A	
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes										
INPUT											
Maximum DC Power	3875	4650	5425	6200	7130	7750	9300	12400	15500	W	
Additional DC Power for DC Coupled StorEdge Systems	kWp equivalent of battery continuous power, and no more than 5kWp										
Transformer-less, Ungrounded	Yes										
Maximum Input Voltage	480									Vdc	
Nominal DC Input Voltage	380						400			Vdc	
Maximum Input Current	7.5	9	10	11.5	12.5	13.5	16.5	20.5	25.5	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, Smart Energy, StorEdge applications										
STANDARD COMPLIANCE											
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										
INSTALLATION SPECIFICATIONS											
AC Output Conduit Size / Wire cross section	19-25mm / 2-13 mm ²										
DC Input Conduit Size / # of Strings / Wire cross section	19-25mm /1-2 strings /2-13 mm ²						19-25mm /1-3 strings /2-13 mm ²				
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									dBA	
Cooling	Natural Convection										
Operating Temperature Range	-20 to +60 ⁽¹⁾									°C	
Protection Rating	IP65 - Outdoor and Indoor										

⁽¹⁾ For power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf>

CE RoHS