



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





Single Phase Inverters (Australia)

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

	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

