Single Phase Inverter with HD-Wave Technology

For Australia

SE3000H, SE4000H, SE5000H, SE6000H, SE8000H, SE10000H

12-25 YEAR WARRANTY

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

- Outdoor and indoor installation

- Fixed voltage inverter for longer strings

- Advanced safety features - integrated arc fault protection

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APPLICABLE TO INVERTERS WITH PART NUMBER	SE3000H	SE4000H	SE5000H	SE6000H	SE8000H	SE10000H	
	SEXXXXH-AUXXXBXX4						CE RoHS
OUTPUT							
Rated AC Power Output	3000	4000	5000	6000	8000	10000	VA
Maximum AC Power Output	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	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						
INPUT							
Maximum DC Power	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	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	98.8		99				%
Nighttime Power Consumption	< 2.5						W
ADDITIONAL FEATURES							
Supported Communication Interfaces	RS485, Ethernet, ZigBee for Smart Energy (optional)[1], Wi-Fi (optional)						
Smart Energy Management[2]	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						
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	25mm maximum / 1-13 mm²						
DC Input Conduit Size / # of Strings / Wire Cross Section	25mm maximum / 1-2 strings / 1-13 mm²				25mm maximum / 1-3 strings / 1-13 mm²		
Dimensions with Safety Switch (H x W x D)	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[3]						°C
Protection Rating	IP65 - outdoor and indoor						

(1) For more information refer to: https://www.solaredge.com/sites/default/files/se-zigbee-plug-in-wireless-communication-for-setapp-datasheet-au.pdf
(2) For export limitation, the optional export meter is required. This built-in meter can also be used for additional home energy management capabilities, if needed.
(3) 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

CE RoHS