Single Phase Inverter with HD-Wave Technology

for Australia

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
- 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
- High reliability

12-25 YEAR WARRANTY
# Single Phase Inverter with HD-Wave Technology for Australia

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

## APLICABLE TO INVERTERS WITH PART NUMBER

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<th>SE2500H</th>
<th>SE3000H</th>
<th>SE4000H</th>
<th>SE5000H</th>
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## OUTPUT

- **Rated AC Power Output**: 2500, 3000, 4000, 4985, 6000, 8000, 10000 VA
- **Maximum AC Power Output**: 2500, 3000, 4000, 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, 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**: 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

## ADDITIONAL FEATURES

- **Supported Communication Interfaces**: RS485, Ethernet, ZigBee for Smart Energy (optional), Wi-Fi (Built-in; antenna included), Cellular (optional)
- **Smart Energy Management**: 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
- **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 +50°C
- **Protection Rating**: IP65 — Outdoor and Indoor

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