



# SolarEdge Single Phase Inverters

(Australia)  
SE2200 - SE6000



INVERTERS

## Specifically designed to work with power optimizers

- Superior efficiency (97.6%)
- Small, lightweight and easy to install
- Built-in module-level monitoring
- Internet connection through Ethernet or Wireless
- IP65 – Outdoor and indoor installation
- Fixed voltage inverter, DC/AC conversion only
- Compatible with the StorEdge Interface for Smart Energy Management StorEdge™ applications



# Single Phase Inverters

(Australia) SE2200 - SE6000<sup>(1)</sup>

|   | SE2200  | SE3000 | SE3500 | SE4000          | SE4600 | SE5000 | SE6000 |     |
|---|---|--------|--------|-----------------|--------|--------|--------|-----|
| <b>OUTPUT</b>   |   |        |        |                 |        |        |        |     |
| Rated AC Power Output   | 2200  | 3000   | 3500   | 4000            | 4600   | 4985   | 6000   | VA  |
| Maximum AC Power Output   | 2200  | 3000   | 3500   | 4000            | 4600   | 4985   | 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   | 12  | 16.5   | 19.5   | 22              | 25     | 27     | 27     | A   |
| Residual Current Detector / Residual Current Step Detector                | 300 / 30  |        |        |                 |        |        |        | mA  |
| Utility Monitoring, Islanding Protection, Country Configurable Thresholds | Yes   |        |        |                 |        |        |        |     |
| <b>INPUT</b>  |   |        |        |                 |        |        |        |     |
| Maximum DC Power (Module STC)   | 2950  | 4050   | 4700   | 5400            | 6210   | 6750   | 8100   | W   |
| Transformer-less, Ungrounded  | Yes   |        |        |                 |        |        |        |     |
| Maximum Input Voltage   | 500   |        |        |                 |        |        |        | Vdc |
| Nominal DC Input Voltage  | 350   |        |        |                 |        |        |        | Vdc |
| Maximum Input Current   | 8.5   | 11.5   | 13.5   | 15.5            | 17.5   | 19.5   | 23     | Adc |
| Reverse-Polarity Protection   | Yes   |        |        |                 |        |        |        |     |
| Ground-Fault Isolation Detection  | 600kΩ Sensitivity   |        |        |                 |        |        |        |     |
| Maximum Inverter Efficiency   | 97.6  |        |        |                 |        |        |        | %   |
| European Weighted Efficiency  | 97.6  | 97.6   | 97.5   | 97.5            | 97.4   | 97.4   | 97.4   | %   |
| Nighttime Power Consumption   | < 2.5   |        |        |                 |        |        |        | W   |
| <b>ADDITIONAL FEATURES</b>  |   |        |        |                 |        |        |        |     |
| Supported Communication Interfaces <sup>(2)</sup>                         | RS485, Ethernet, ZigBee (optional), Wi-Fi (optional), Built-in GSM (optional) |        |        |                 |        |        |        |     |
| Smart Energy Management   | Export Limitation, StorEdge applications                                      |        |        |                 |        |        |        |     |
| <b>STANDARD COMPLIANCE</b>  |   |        |        |                 |        |        |        |     |
| Safety  | IEC-62103 (EN50178), IEC-62109, AS-3100                                       |        |        |                 |        |        |        |     |
| Grid Connection Standards   | VDE 0126-1-1, VDE-AR-N-4105, AS-4777, RD-1663, DK 5940                        |        |        |                 |        |        |        |     |
| Emissions   | IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, FCC part15 class B  |        |        |                 |        |        |        |     |
| RoHS  | Yes   |        |        |                 |        |        |        |     |
| <b>INSTALLATION SPECIFICATIONS</b>  |   |        |        |                 |        |        |        |     |
| AC Output   | Cable Gland - diameter 9-16   |        |        |                 |        |        |        | mm  |
| DC Input  | 1 MC4 pair  |        |        | 2 MC4 pairs     |        |        |        |     |
| Dimensions (HxWxD)  | 540 x 315 x 172   |        |        | 540 x 315 x 191 |        |        |        | mm  |
| Weight  | 20.2  |        |        | 21.7            |        |        |        | kg  |
| Cooling   | Natural Convection  |        |        |                 |        |        |        |     |
| Noise   | <25   |        |        |                 |        |        |        | dBA |
| Operating Temperature Range   | -20 - +50   |        |        |                 |        |        |        | °C  |
| Protection Rating   | IP65 - Outdoor and Indoor   |        |        |                 |        |        |        |     |
| Bracket Mounted (Bracket Provided)  |   |        |        |                 |        |        |        |     |

<sup>(1)</sup> These specifications apply to inverters with Australian part numbers (SExxxx-AUxxxxxx or SExxxx-ER-01-AUS)

<sup>(2)</sup> Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>

