



## SolarEdge Single Phase Inverters

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

SE2200 - SE6000

|   | SE2200  | SE3000              | SE3500              | SE4000            | SE5000              | SE6000 |     |
|---|---|---------------------|---------------------|-------------------|---------------------|--------|-----|
| <b>OUTPUT</b>   |   |                     |                     |                   |                     |        |     |
| Rated AC Power Output   | 2200  | 3000                | 3500                | 4000              | 5000 <sup>(1)</sup> | 6000   | VA  |
| Maximum AC Power Output   | 2200  | 3000                | 3500                | 4000              | 5000 <sup>(1)</sup> | 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 <sup>(2)</sup> | 19.5 <sup>(2)</sup> | 22 <sup>(2)</sup> | 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              | 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              | 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   | %   |
| Nighttime Power Consumption   | < 2.5   |                     |                     |                   |                     |        | W   |
| <b>ADDITIONAL FEATURES</b>  |   |                     |                     |                   |                     |        |     |
| Supported Communication Interfaces <sup>(3)</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  |                     |                     |                   |                     |        |     |
| 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 (M40 version -40 - +50)   |                     |                     |                   |                     |        | °C  |
| Protection Rating   | IP65 - Outdoor and Indoor   |                     |                     |                   |                     |        |     |
| Bracket Mounted (Bracket Provided)  |   |                     |                     |                   |                     |        |     |

<sup>(1)</sup> Limited to 4600VA when inverter is set to South Africa

<sup>(2)</sup> For inverters with an AC current limit of 16A please refer to the "SE3000-4000-16A Inverter" datasheet

<sup>(3)</sup> Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: <http://www.solaredge.com/groups/support/downloads>

