SolarEdge E-Series
Three Phase Inverters for Residential Installations for Australia
SE5K - SE8K

Specifically designed to work with power optimizers

- Noise level suitable for residential environment – No external fan
- Superior efficiency (98%)
- Small, lightest in its class, and easy to install
- Built-in module-level monitoring
- Internet connection through Ethernet or Wireless (Wi-Fi, ZigBee Gateway, Cellular GSM)
- IP65 – Outdoor and indoor installation
- Fixed voltage inverter

www.solaredge.com
### SolarEdge E-Series Three Phase Inverters for Residential Installations for Australia

**SE5K-SE8K**

#### INSTALLATION SPECIFICATIONS

<table>
<thead>
<tr>
<th>Output parameters</th>
<th>SE5K</th>
<th>SE7K</th>
<th>SE8K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated AC Power Output</td>
<td>5000</td>
<td>7000</td>
<td>8000</td>
</tr>
<tr>
<td>Maximum AC Power Output</td>
<td>5000</td>
<td>7000</td>
<td>8000</td>
</tr>
<tr>
<td>AC Output Voltage - Line to Line / Line to Neutral (Nominal)</td>
<td>400 / 230</td>
<td>400 / 230</td>
<td>400 / 230</td>
</tr>
<tr>
<td>AC Output Voltage - Line to Neutral Range</td>
<td>184 – 264.5</td>
<td>184 – 264.5</td>
<td>184 – 264.5</td>
</tr>
<tr>
<td>AC Frequency</td>
<td>50/60 ± 5</td>
<td>50/60 ± 5</td>
<td>50/60 ± 5</td>
</tr>
<tr>
<td>Maximum Continuous Output Current (per Phase)</td>
<td>8</td>
<td>11.5</td>
<td>13</td>
</tr>
<tr>
<td>AC Input (Nominal)</td>
<td>300 / 30</td>
<td>300 / 30</td>
<td>300 / 30</td>
</tr>
<tr>
<td>Utility Supported - Three Phase</td>
<td>3 / N / PE (WYE with Neutral)</td>
<td>3 / N / PE (WYE with Neutral)</td>
<td>3 / N / PE (WYE with Neutral)</td>
</tr>
</tbody>
</table>

#### ADDITIONAL FEATURES

- Safety:
  - IEC-62103 (EN50178), IEC-62109
- Grid Connection Standards:
  - AS/NZS4777:2015
  - IEC61000-6-2, IEC61000-6-3
  - IEC61000-3-11, IEC61000-3-12, FCC part15 class B
- RoHS: Yes
- Additional Features:
  - Smart Energy Management: Export Limitation, Device Control
- Communication Interfaces:
  - RS485, Ethernet, Zigbee (optional), Wi-Fi (optional), Built-in GSM (optional)
- Country Configurable: Yes

**STANDARD COMPLIANCE**

- IEC-62109
- IEC61000-3-12
- IEC61000-3-11
- IEC61000-3-12, FCC part15 class B
- AS/NZS4777:2015

**INVENTORY SPECIFICATIONS**

- AC output conduit size / AWG range: 20 minimum / 3-13 mm / mm²
- DC input conduit size / AWG range: 20 minimum / 3-13 mm / mm²
- DC Input: Terminal blocks for 2 arrays enclosed through 2 separate conduits (optional)
- Dimensions with Safety Switch (H x W x D): 775 x 315 x 191 mm
- Weight: 24.7 kg
- Operating Temperature Range: -20° to +50°C
- Cooling: Internal fan
- Noise: < 40 dBA
- Protection Rating: IP65 - Outdoor and Indoor
- Bracket Mounted (Bracket Provided)

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**NOTES:**

- These specifications apply to inverters with part number SE5K-SE8Kxxx.
- Refer to Datasheets -> Communications category in Downloads page for specifications of optional communication options: http://www.solaredge.com/groups/support/downloads
- For all standards refer to Certifications category in Downloads page: http://www.solaredge.com/groups/support/downloads
- Two arrays must be connected to the inverter; refer to image below: For complete design guidelines refer to: http://www.solaredge.com/sites/default/files/se_inverter_installation_guide_e_series_addendum_aus.pdf
- SE8K: de-rating from 57°C.

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