Single Phase Inverter
with HD-Wave Technology
for North America

Optimized installation with HD-Wave technology
- Specifically designed to work with power optimizers
- Record-breaking efficiency
- Fixed voltage inverter for longer strings
- Integrated arc fault protection and rapid shutdown for NEC 2014 and 2017, per article 690.11 and 690.12
- UL1741 SA certified, for CPUC Rule 21 grid compliance
- Extremely small
- High reliability without any electrolytic capacitors
- Built-in module-level monitoring
- Outdoor and indoor installation
- Optional: Revenue grade data, ANSI C12.20 Class 0.5 (0.5% accuracy)
### Output

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated AC Power Output</td>
<td>3000</td>
<td>3800 @ 240V</td>
<td>5000</td>
<td>6000 @ 240V</td>
<td>7600</td>
<td>10000</td>
</tr>
<tr>
<td>Max. AC Power Output</td>
<td>3000</td>
<td>3800 @ 208V</td>
<td>5000</td>
<td>6000 @ 208V</td>
<td>7600</td>
<td>10000</td>
</tr>
<tr>
<td>AC Output Voltage Min.-Nom.-Max. (183 - 208 - 229)</td>
<td>208V</td>
<td>208V</td>
<td>208V</td>
<td>208V</td>
<td>208V</td>
<td>208V</td>
</tr>
<tr>
<td>AC Output Voltage Min.-Nom.-Max. (211 - 240 - 264)</td>
<td>240V</td>
<td>240V</td>
<td>240V</td>
<td>240V</td>
<td>240V</td>
<td>240V</td>
</tr>
<tr>
<td>AC Frequency (Nominal)</td>
<td>59.3 - 60.5</td>
<td>Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Continuous Output Current 208V</td>
<td>16</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Continuous Output Current @240V</td>
<td>24</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GFDI Threshold</td>
<td>1</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Utility Monitoring, Islanding Protection, Country Configurable Thresholds</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Input

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum DC Power @240V</td>
<td>4650</td>
<td>5900</td>
<td>7750</td>
<td>9300</td>
<td>11800</td>
<td>15500</td>
</tr>
<tr>
<td>Maximum DC Power @208V</td>
<td>-</td>
<td>5100</td>
<td>-</td>
<td>7750</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Transformer-less, Ungrounded</td>
<td>-</td>
<td>-</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Input Voltage</td>
<td>380</td>
<td>480</td>
<td>Vdc</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nominal DC Input Voltage</td>
<td>-</td>
<td>-</td>
<td>400</td>
<td>Vdc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Input Current 208V</td>
<td>9</td>
<td>13.5</td>
<td>Adc</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Input Current @240V</td>
<td>10.5</td>
<td>16.5</td>
<td>20</td>
<td>27</td>
<td>Adc</td>
<td></td>
</tr>
<tr>
<td>Max. Input Short Circuit Current</td>
<td>45</td>
<td>Adc</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reverse-Polarity Protection</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ground-Fault Isolation Detection</td>
<td>600k Sensitivity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum inverter Efficiency</td>
<td>99</td>
<td>99.2</td>
<td>%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CEC Weighted Efficiency</td>
<td>99</td>
<td>%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nighttime Power Consumption</td>
<td>&lt; 2.5</td>
<td>W</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Additional Features

- Supported Communication Interfaces: RS485, Ethernet, ZigBee (optional), Cellular (optional)
- Revenue Grade Data, ANSI C12.20: Optional
- Rapid Shutdown - NEC 2014 and 2017 690.12: Automatic Rapid Shutdown upon AC Grid Disconnect
- Transformer-less, Ungrounded
- Ground-Fault Isolation Detection: Yes
- Maximum inverter Efficiency: 99%
- CEC Weighted Efficiency: 99%
- Nighttime Power Consumption: < 2.5 W

### Standard Compliance

- Grid Connection Standards: UL1741, UL1741 5A, UL1699B, CSA C22.2, Canadian AFCI according to T.I.L. M-07
- Emissions: IEEE1547, Rule 21, Rule 14 (Hi)
- FCC Part 15 Class B

### Installation Specifications

- AC Output Conduit Size / AWG Range: 3/4" minimum / 20-4 AWG
- DC Input Conduit Size / # of Strings / AWG Range: 3/4" minimum / 1-2 strings / 14-6 AWG
- Dimensions with Safety Switch (HxWxD): 17.7 x 14.6 x 6.8 / 450 x 370 x 174 in / mm
- Weight with Safety Switch: 22 lbs / 10 kg
- Noise: < 25 dBA
- Cooling: Natural Convection
- Operating Temperature Range: -13 to +140 / -25 to +60°C (-40°F / -40°C option)
- Protection Rating: NEMA 3R (Inverter with Safety Switch)

---

1 For other regional settings please contact SolarEdge support
2 Revenue grade inverter P/N: SExxxxH-US000NC2
3 For power derating information refer to: https://www.solaredge.com/sites/default/files/se-temperature-derating-note-na.pdf
4 -40 version P/N: SExxxxH-US000NU4

---

RoHS

© SolarEdge Technologies, Inc. All rights reserved. SOLAREDGE, the SolarEdge logo, OPTIMIZED BY SOLAREDGE are trademarks or registered trademarks of SolarEdge Technologies, Inc. All other trademarks mentioned herein are trademarks of their respective owners. Date: 06/2018/V01/ENG NAM. Subject to change without notice.