ZigBee Plug-in for Inverters with SetApp Configuration for North America

SE-ZBGW-B-S1-NA / SE-ZBSLV-B-S1-NA / SE1000-ZBRPT05-NA

Simple Wireless Connectivity

- Connects SolarEdge inverters with SetApp Configuration wirelessly to an Internet router
- The ZigBee Gateway supports up to 15 SolarEdge inverters on the wireless network
- Communication to Internet via Ethernet
- ZigBee Plug-in installed within the inverter enclosure for outdoor resilience
- Antenna external to inverter for wider range
# ZigBee Plug-in for Inverters with SetApp Configuration for North America

SE-ZBGW-B-S1-NA / SE-ZBSLV-B-S1-NA / SE1000-ZBRPT05-NA

## COMPATIBLE INVERTERS

<table>
<thead>
<tr>
<th>SEXXXX-XXXXXXBX4 (INVERTERS WITH SETAPP CONFIGURATION)</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of inverters that can be monitored</td>
<td>1-15</td>
</tr>
</tbody>
</table>

## RF PERFORMANCE

<table>
<thead>
<tr>
<th>Function</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmit power</td>
<td>22.8 dBm</td>
</tr>
<tr>
<td>Receiver Sensitivity</td>
<td>-102 dBm</td>
</tr>
<tr>
<td>EIRP with antenna</td>
<td>27.8 dBm</td>
</tr>
<tr>
<td>Maximum Emitted Power</td>
<td>≤ 30 dBm</td>
</tr>
<tr>
<td>Antenna gain</td>
<td>5 dB</td>
</tr>
<tr>
<td>Operating Frequency Range</td>
<td>2.4-2.5 GHz</td>
</tr>
<tr>
<td>Bandwidth</td>
<td>2 MHz</td>
</tr>
<tr>
<td>Modulation</td>
<td>O-QPSK with DSSS coding</td>
</tr>
<tr>
<td>Outdoor (LOS) range</td>
<td>400 / 1300 m / ft</td>
</tr>
<tr>
<td>Indoor range</td>
<td>50 / 160 m / ft</td>
</tr>
</tbody>
</table>

## ZIGBEE GATEWAY

- **Antenna**: Included
- **Power supply**: Included, 100-240VAC
- **Operating temperature**: -20 to +60 / -4 to +140 °C / °F
- **Relative humidity (non condensing)**: 0-80 %
- **Ingress protection**: IP20 (Indoor)

## ZIGBEE PLUG-IN

- **Antenna, mounting bracket and RF cable**: Included
- **Dimensions (L x W)**: 78 x 32 / 3 x 1.3 mm / in
- **Ingress protection**: IP65 (IP20 / indoor rated when installed inside Commercial Gateway or Firefighter Gateway)

## CERTIFICATION

- **Safety**: IEC60950, UL60950
- **EMC Approvals**: FCC(USA), IC(Canada)

(1) Approximate values, may differ depending on specific installation conditions

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**Scenario A: Basic Kit**
- **Part Number**: SE-ZBGW-B-S1-NA
  - 1 x ZigBee Gateway
  - 1 x ZigBee Plug-in for single SolarEdge inverter

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**Scenario B: Adding additional ZigBee Plug-ins**
- **Part Number**: SE-ZBSLV-B-S1-NA
  - 1 x ZigBee Plug-in for connecting multiple inverters to the same ZigBee gateway

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**Scenario C: Extending range using a repeater**
- **Part Number**: SE1000-ZBRPT05-NA
  - 1 x ZigBee Repeater for extending the ZigBee range