Wireless Gateway and Repeater
For North America

5 YEAR WARRANTY

Simple Wireless Connectivity

- Wirelessly connects SetApp-enabled SolarEdge inverters to an Internet router
- Easy installation and configuration via SetApp, leveraging a Wireless station built into the inverter
- Antenna* is located external to the inverter and supports up to two repeaters for extended range
- The Wireless Gateway supports up to eight SolarEdge inverters on a single wireless network

* Two Wi-Fi antennas are included in the supplied kit, one that connects to the inverter and the other to the Wireless Gateway. There is no need to order them separately
## Wireless Gateway and Repeater

For North America

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>SE-WFGW-B-S1-RW, SE-WFRPT-B-S1-RW</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODEL NUMBER</td>
<td>WiFi-GW</td>
<td></td>
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<tr>
<td>COMPATIBLE INVERTERS</td>
<td>RESIDENTIAL INVERTERS WITH SETAPP CONFIGURATION</td>
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</table>

### RF PERFORMANCE

- **Transmit Power (Max)**: 19.5 dBm
- **Receiver Sensitivity (802.11b @ 1Mbps DSS)**: -94 to -69 dBm
- **EIRP with Antenna**: 24.5 dBm
- **Outdoor (LOS) Range**: 400 / 1300 m / ft
- **Indoor Range**: 50 / 160 m / ft
- **Frequency Band**: 2412 - 2462 MHz
- **Bandwidth**: 20 MHz
- **Antenna Gain**: 5 dBi

### NETWORK AND SECURITY

- **Channels**: 1-11
- **Security**: WPA-PSK, WPA2-PSK, WEP

### WIRELESS LAN

- **Standards**: 802.11b/g/n
- **Modulation**: 802.11b - DSSS-CCK, 802.11g - OFDM, 802.11n - HT modulations, MCS0-7
- **Data Rates**: 1 - 72 Mbps

### ENVIRONMENTAL

- **Operating Temperature**: -20 to +60 / -4 to +140 °C / °F
- **Storage Temperature**: -20 to +60 / -4 to +140 °C / °F
- **Relative Humidity (non-condensing)**: 0 - 80 %
- **Ingress Protection**: IP20

### MECHANICAL

- **Dimensions (H x W x D; with pins)**: 66.3 x 48 x 63 / 2.6 x 1.8 x 2.5 mm / inch
- **Weight without Antenna**: 90 / 0.20 gr / lb
- **Weight with Antenna**: 110 / 0.24 gr / lb

### POWER SUPPLY

- **AC Voltage (nominal)**: 100 - 240 Vac
- **AC Frequency (nominal)**: 50 / 60 Hz
- **Max Input Current**: 50 mA

### STANDARD COMPLIANCE

- **Safety**: UL62368-1:2014 Ed.2, CSA-C22.2 No. 62368-1:2014 Ed.2
- **EMC**: CFR 47 FCC Part 15, Subpart B; Canada ICES-003, Issue 6; ANSI C63.10:2013
- **AC Plug**: NEMA 1-15P (two-pole, no ground)

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(1) Approximate values, may differ depending on specific installation conditions
(2) The antenna may have higher gain within EIRP power constraint
(3) Channels 12-13 are allocated for future use
Scenario A: Single inverter, wireless connection with optional repeaters
- 1 x Wireless Gateway
- 1 or 2 x Wireless repeater for extending the Wi-Fi range

Scenario B: Multiple inverters, wired connection\(^{(4)}\)
- 1 x Wireless Gateway

Scenario C: Multiple inverters, Wi-Fi Point to Multi-point\(^{(5)}\)
- 1 x Wireless Gateway

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(4) To extend the Wi-Fi range, add one or two Wireless Repeaters
(5) Additional inverter antennas should be purchased separately