

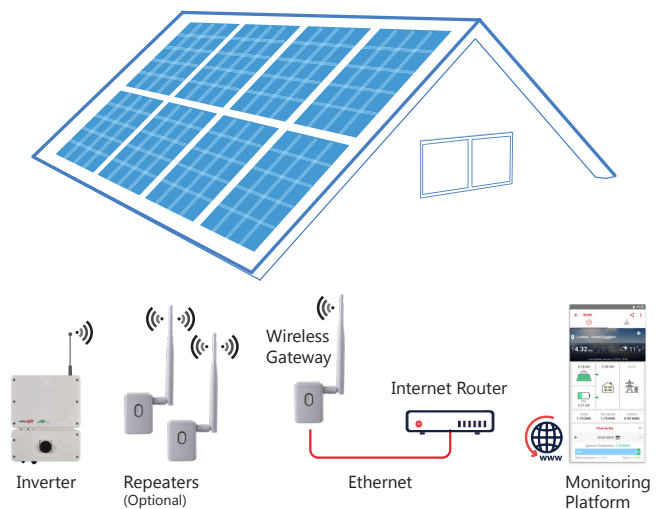
# Wireless Gateway and Repeater For North America



COMMUNICATION

## 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

| PART NUMBER                                | SE-WFGW-B-S1-RW, SE-WFRPT-B-S1-RW   | UNITS     |
|--|---|-----------|
| MODEL NUMBER                               | WiFi-GW   |           |
| COMPATIBLE INVERTERS                       | RESIDENTIAL INVERTERS WITH SETAPP CONFIGURATION                           |           |
| <b>RF PERFORMANCE</b>                      |   |           |
| 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 <sup>(1)</sup>                | 50 / 160  | m / ft    |
| Frequency Band                             | 2412 - 2462   | MHz       |
| Bandwidth                                  | 20  | MHz       |
| Antenna Gain <sup>(2)</sup>                | 5   | dBi       |
| <b>NETWORK AND SECURITY</b>                |   |           |
| Channels <sup>(3)</sup>                    | 1-11  |           |
| Security                                   | WPA-PSK, WPA2-PSK, WEP  |           |
| <b>WIRELESS LAN</b>                        |   |           |
| Standards                                  | 802.11b/g/n   |           |
| Modulation                                 | 802.11b - DSSS-CCK, 802.11g - OFDM, 802.11n - HT modulations, MCS0-7      |           |
| Data Rates                                 | 1 - 72  | Mbps      |
| <b>ENVIRONMENTAL</b>                       |   |           |
| 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  |           |
| <b>MECHANICAL</b>                          |   |           |
| 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   |
| <b>POWER SUPPLY</b>                        |   |           |
| AC Voltage (nominal)                       | 100 - 240   | Vac       |
| AC Frequency (nominal)                     | 50 / 60   | Hz        |
| Max Input Current                          | 50  | mA        |
| <b>STANDARD COMPLIANCE</b>                 |   |           |
| 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)  |           |

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

(2) The antenna may have higher gain within EIRP power constraint

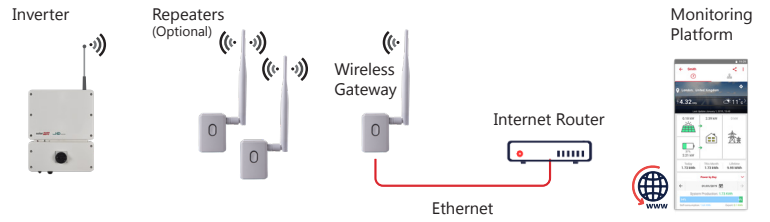
(3) Channels 12-13 are allocated for future use

# / Wireless Gateway and Repeater

## For North America

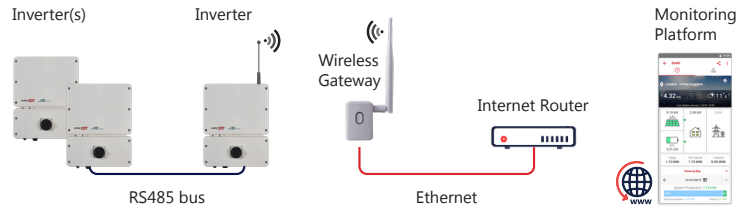
### Scenario A: Single inverter, wireless connection with optional repeaters

- / 1 x Wireless Gateway
- / 1 or 2 x Wireless repeater for extending the Wi-Fi range



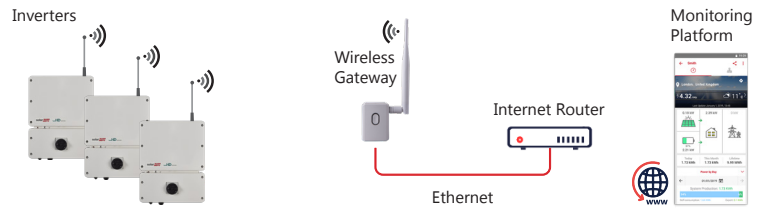
### Scenario B: Multiple inverters, wired connection<sup>(4)</sup>

- / 1 x Wireless Gateway



### Scenario C: Multiple inverters, Wi-Fi Point to Multi-point<sup>(5)</sup>

- / 1 x Wireless Gateway



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