Simple Wireless Connectivity

- Connects SolarEdge inverters wirelessly to an Internet router
- ZigBee Plug-in unit installed within the inverter enclosure for outdoor resilience
- Antenna external to inverter for wider range
- Communication to Internet via Ethernet
- The ZigBee Gateway supports up to 15 SolarEdge devices (e.g., inverters) on the wireless network
- For Device Control use SE1000-ZB06-MOD
ZigBee Plug-in
SE1000-ZBGW-K5 / SE1000-ZB05-SLV / SE1000-ZBRPT05

COMPATIBLE INVERTERS
SExxxx-xxxxx
(INVERTERS WITH A DISPLAY)

FUNCTIONAL
Number of devices that can be monitored | 1-15
Device Control Support | Use SE1000-ZB06-MOD*

RF PERFORMANCE
Transmit power | 11.8 dBm
Receiver Sensitivity | -102 dBm
EIRP with Antenna | 16.8 dBm
Maximum Emitted Power | ≤ 20 dBm
Antenna gain | 5 dBi
Operating Frequency Range | 2.4-2.5 GHz
Bandwidth | 2 MHz
Outdoor (LOS) range | 400 / 1300 m / ft
Indoor range** | 50 / 160 m / ft

ZIGBEE GATEWAY / ZIGBEE REPEATER
Antenna | Included
Power supply | Included, 100-240VAC
Operating temperature | -20 to +60 / -4 to +140 °C / °F
Dimensions (H x W x D) | 115 x 70 x 50 / 4.5 x 2.8 x 2.0 mm / in
Relative humidity (non condensing) | 0 - 80 %
Ingress protection | IP20 (Indoor)

ZIGBEE PLUG-IN
Antenna, mounting bracket and RF cable | Included
Dimensions (H x W x D) | 22.0 x 32.9 x 4.1 / 0.9 x 1.3 x 0.2 mm / in
Ingress protection | IP65 (IP20 / indoor rated when installed inside Commercial Gateway or Firefighter Gateway)

CERTIFICATION
Safety | IEC60950, UL60950
EMC Approvals | ETSI(Europe), C-Tick(Australia), Telec(Japan)

**Approximate values, may differ depending on specific installation conditions

Scenario A: Basic Kit
Part Number: SE1000-ZBGW-K5
- 1 x ZigBee Gateway
- 1 x ZigBee Plug-in
for single SolarEdge device

Scenario B: Adding additional ZigBee Plug-ins
Part Number: SE1000-ZB05-SLV
- 1 x ZigBee Plug-in
for connecting multiple devices to the same ZigBee gateway

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