Wireless Gateway and Repeater

for Europe & APAC

SE-WFGW-B-S1-RW
SE-WFRPT-B-S1-RW

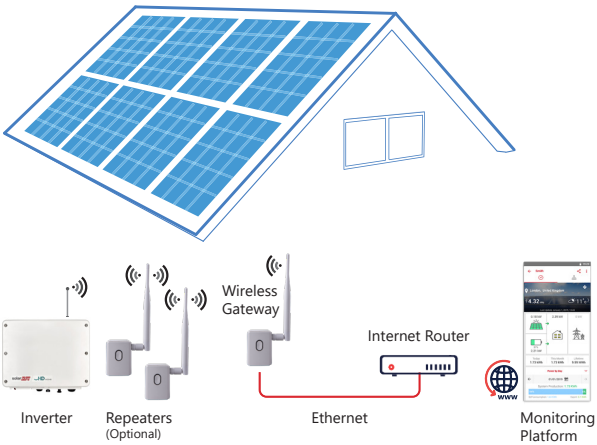
5 YEAR WARRANTY



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



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Model: WiFi-GW

SE-WFGW-B-S1-RW, SE-WFRPT-B-S1-RW

COMPATIBLE INVERTERS	SEXXXX-XXXXXBXX4 (INVERTERS WITH SETAPP CONFIGURATION)	UNITS
RF PERFORMANCE		
Transmit Power	15	dBm
Receiver Sensitivity (802.11b @ 1Mbps DSS)	-94 to -69	dBm
EIRP with Antenna	20	dBm
Outdoor (LOS) Range	400 / 1300	m / ft
Indoor Range (1)	50 / 160	m / ft
Frequency Band	2412 - 2472	MHz
Bandwidth	20	MHz
Antenna Gain(2)	5	dBi
NETWORK AND SECURITY		
Channels(3)	1-13	
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 (HxWxD; with pins)	66.3 x 48 x 82.7 / 2.6 x 1.8 x 3.2	mm / in
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	IEC/ EN 62368-1	
EMC	EN301 489-1; EN301 489-17; EN300 328; EN55032:2015+AC:2016; EN55035; EN61000- 3-2:2041; EN61000-3-3:2013; EN61000-4-2:2009; EN61000-4-3:2006+A1:2008+A2:2010; EN61000-4-4:2012; EN61000-4-5:2014+A1:20174; EN61000-4- 6:2014+AC:2015; EN61000-4-11:2004+A1:2017; AS/NZS 4268:2017	
AC Plug	EN 50075	

(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

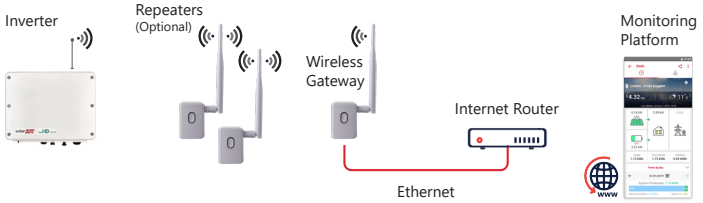
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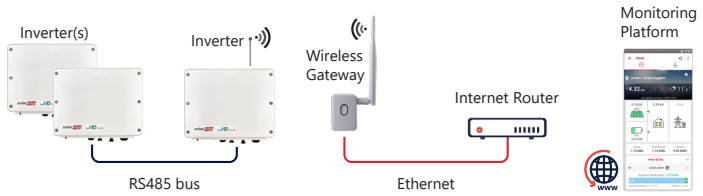
Scenario A: Single inverter, wireless connection with optional repeaters

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



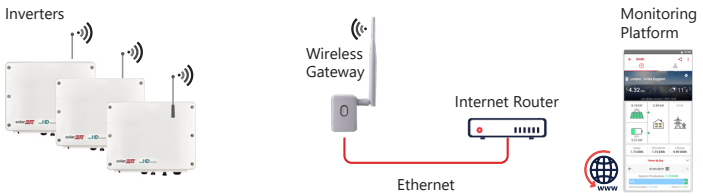
Scenario B: Multiple inverters, wired connection(4)

- 1 x Wireless gateway



Scenario C: Multiple inverters, Wi-Fi Point to Multi-point(4)

- 1 x Wireless gateway



(4) To extend the Wi-Fi range, add one or two Wireless repeaters

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