

Wireless Gateway and Repeater for Europe & APAC

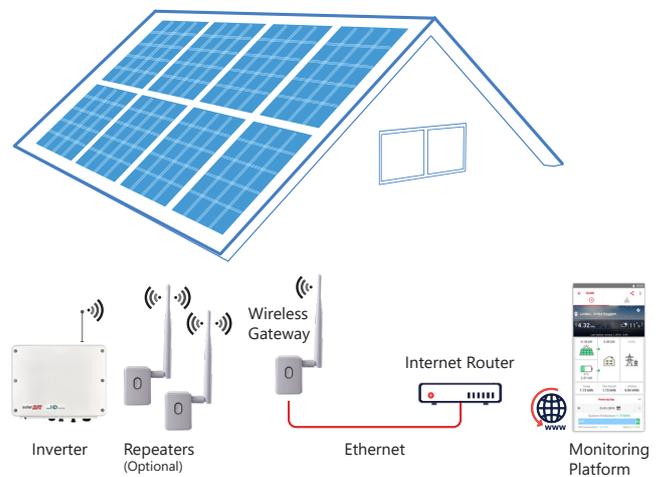
SE-WFGW-B-S1-RW
SE-WFRPT-B-S1-RW



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



/ Wireless Gateway and Repeater

for Europe & APAC

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; EN61000-3-2:2014; EN61000-3-3:2013; EN61000-4-2:2009; EN61000-4-3:2006+A1:2008+A2:2010; EN61000-4-4:2012; EN61000-4-5:2014+A1:2017; 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

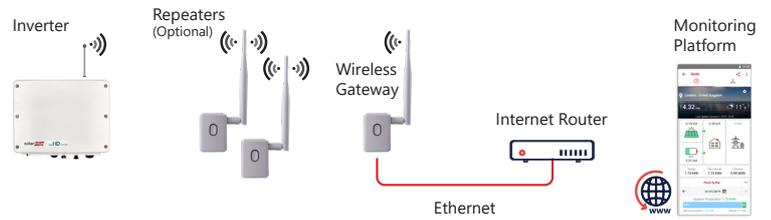
/ Wireless Gateway and Repeater

for Europe & APAC

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

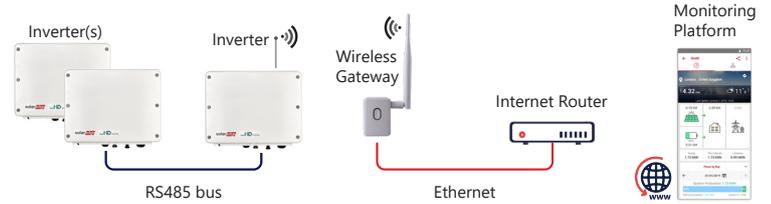
Scenario A: Single inverter, wireless connection with optional repeaters

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



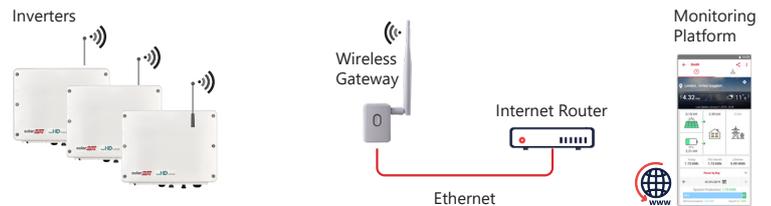
Scenario B: Multiple inverters, wired connection⁽⁴⁾

- 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