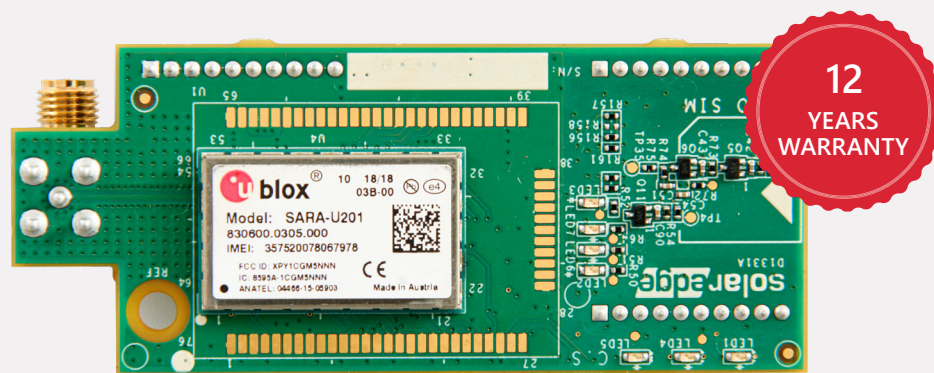


Cellular Plug-in with Data Plan

For Australia and New Zealand

SE1000-GSM02-B, SE1000-Cell03-B-G
SE-SIM-R12-XX-S1 / SE-SIM-R12-XX-S2*



Mobile Internet Connectivity

- Compatible with inverters with SetApp configuration
- Connects SolarEdge inverters wirelessly to the Internet
- No need for Internet infrastructure at site
- Installed within the inverter enclosure for outdoor resilience
- Enables remote analysis and troubleshooting
- Supports low bandwidth configuration for reduced data usage and cost
- Can be used with SolarEdge data plan or third-party SIM card

* XX = AU for data plans in Australia, XX = NZ for data plans in New Zealand

Note - For a detailed coverage map refer to the following link and select the 3G Cellular option: <http://www.aeris.com/technology/aerconnect/coverage-map/#modal>

/ Cellular Plug-in with Data Plan

For Australia and New Zealand

SE1000-GSM02-B, SE1000-Cell03-B-G

SE-SIM-R12-XX-S1 / SE-SIM-R12-XX-S2

Compatible Inverters (Inverters with SetApp configuration)			UNIT
DATA PLAN	HIGH BANDWIDTH MODE	LOW BANDWIDTH MODE	
Number of Inverters Monitored with a Single Cellular Plug-in	Up to 32	1	
Monitoring	Data sampled every 5 minutes and sent to SolarEdge server continuously ⁽¹⁾	Data sampled every 15 minutes and sent to SolarEdge server every 4 hours	
Monthly Data - per Inverter	7.8	2.6	MB
Monthly Data - per Optimiser	0.15	0.05	MB
Monthly Data - per Revenue Grade Meter	0.3	0.1	MB
Monthly Data - per Export or Consumption Meter	3	0.55	MB
Monthly Data - per Battery	3	0.7	MB
Monthly data - per Commercial Gateway or Firefighter Gateway	3	Not supported	MB
Compatible with 3rd party SIM card	√		
Compatible with SolarEdge data plan	X	√ (see table below)	
RF PERFORMANCE	SE1000-GSM02-B	SE1000-CELL03-B-G	
Operating Frequency Min.-Max.	900 MHz: Modem transmit: 880-915 Modem receive: 925-960	850 MHz: Modem transmit: 824-849 Modem receive: 869-894	MHz
Operating Frequency Min.-Max.	1800 MHz: Modem transmit: 1710-1785 Modem receive: 1805-1880	1900 MHz: Modem transmit: 1850-1910 Modem receive: 1930-1990	MHz
Operating Frequency Min.-Max.	2100 MHz: Modem transmit: 1920 -1980 Modem receive: 2110 -2170		MHz
Antenna	Included, 2dBi outdoor; Dual band antenna: 824-960MHz / 1710-2170MHz		
Maximum output power	900 MHz: 33 1800 MHz: 30 2100 MHz: 24	850 MHz: 33 1900 MHz: 30	dBm
Receiver Input Sensitivity (Downlink RF level @ BER Class II < 2.4 %)	Typical -109		dBm
STANDARD COMPLIANCE			
Emissions and Radio	EN 301-489-1, EN 301-489-7, EN 301-511		
INSTALLATION SPECIFICATIONS			
Dimensions (L x W)	78.3 x 32.2 / 3.08 x 1.26		mm/in
Operating Temperature	-40 to +85 / -40 to +185		°C/°F
Mounting	Built into the inverter or purchased separately		
SIM CARD HOLDER			
Type	Micro-SIM ⁽²⁾		

⁽¹⁾ Up to 90MB/month of overhead per site may be observed, depending on SIM card provider.

⁽²⁾ Non-SolarEdge SIM cards must be 3G Cellular compatible. If the SIM is intended for use in Low Bandwidth mode it must have SMS capabilities.

SolarEdge Data Plans for Low Bandwidth Mode		
	SE-SIM-R12-AU-S1 / SE-SIM-R12-NZ-S1	SE-SIM-R12-AU-S2 / SE-SIM-R12-NZ-S2
Supported Systems	Residential systems: one inverter, up to 60 power optimisers, and 2 meters	Residential StorEdge systems: one inverter, up to 60 power optimisers, up to two batteries, and 2 meters
Monitoring	Data sampled every 15 minutes and sent to SolarEdge server every 4 hours (Low Bandwidth Mode)	
Number of Monitored Inverters with a Single Mobile Cellular Plug-in	1	
Plan Duration	12 year prepaid plan	

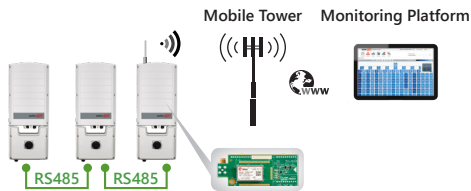
/ Cellular Plug-in with Data Plan

For Australia and New Zealand

SE1000-GSM02-B, SE1000-Cell03-B-G

SE-SIM-R12-XX-S1 / SE-SIM-R12-XX-S2

HIGH BANDWIDTH MODE



LOW BANDWIDTH MODE

