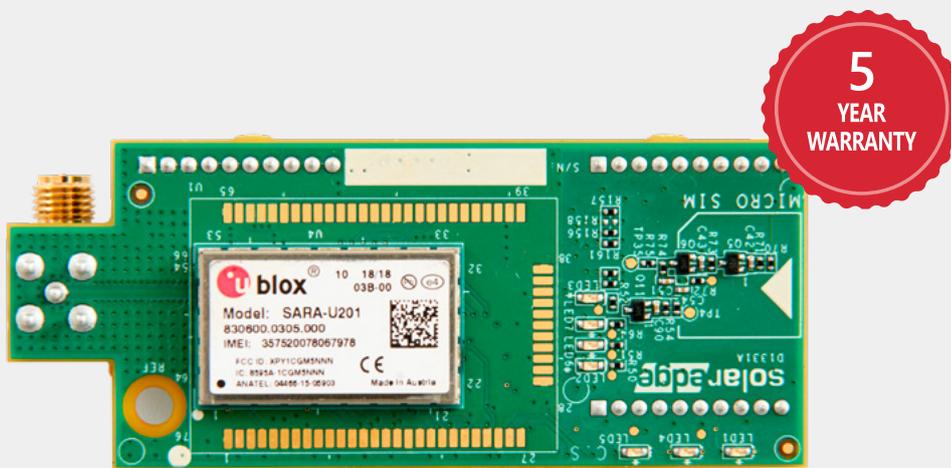# Cellular Plug-in with Data Plan

For Europe

SE1000-GSM02-B
SE-SIM-R02-EU-S1
SE-SIM-R02-EU-S5

5 YEAR WARRANTY

Cellular 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

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

solaredge.com

solar**edge**

/ Cellular Plug-in with Data Plan

For Europe

SE1000-GSM02-B
SE-SIM-R02-EU-S1
SE-SIM-R02-EU-S5

COMPATIBLE INVERTERS	SEXXXX-XXXXXBXX4 (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 Optimizer	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	✓ (see table below)		
RF PERFORMANCE			
Operating Frequency Min.-Max. 900	Modem transmit: 880-915 / Modem receive: 925-960		MHz
Operating Frequency Min.-Max. 1800	Modem transmit: 1710-1785 / Modem receive: 1805-1880		MHz
Operating Frequency Min.-Max. 2100	Modem transmit: 1920 -1980 / Modem receive: 2110 -2170		MHz
Antenna	Included, 2dBi outdoor; Dual band antenna: 824-960MHz / 1710-2170MHz		
Maximum output power: 0.9GHz / 1.8GHz / 2.1GHz band	33 / 30 / 24		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)	90.5 x 34.5 / 3.55 x 1.35		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 2G/3G Cellular compatible. If the SIM is intended for use in Low Bandwidth mode it must have SMS capabilities
(3) SE-SIM-R05-EU-S5 require High Bandwidth. Contact SolarEdge Support (support@solaredge.com) to activate High Bandwidth mode

/ Cellular Plug-in with Data Plan

For Europe

SE1000-GSM02-B
SE-SIM-R02-EU-S1
SE-SIM-R02-EU-S5

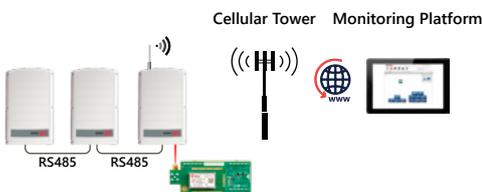| SolarEdge Data plans for High Bandwidth Mode	
SE-SIM-R02-EU-S5	
Supported Systems	Commercial systems up to 100kW DC
Monitoring	Continuous connection with 5 minute telemetry from all connected devices
Number of Monitored Inverters with a Single Cellular Plug-in	Up to 32, limited by the system DC size
Plan Duration	2 years prepaid plan

SolarEdge Data Plans for Low Bandwidth Mode	
SE-SIM-R02-EU-S1	
Supported Systems	Residential systems: one inverter, up to 60 power optimizers,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 Cellular Plug-in	1
Plan Duration	2 years prepaid plan

Cellular Plug-in Offering

	Cellular Plug-in	Data Plan
Description	Plug-in	SIM card with data plan
Supported Systems	Single and three phase inverters with part number SEXXXX-XXXXXBXX4	Residential and Commercial systems
Data Plan	Data plan purchased separately	Residential - Data sampled every 15 minutes and uploaded every 4 hours Commercial - Continuous connection with 5 minute telemetry from all connected devices
Part Number	SE1000-GSM02-B	SE-SIM-R02-EU-S1 (residential) / SE-SIM-R02-EU-S5 (Commercial)

HIGH BANDWIDTH MODE

Cellular Tower   Monitoring Platform

RS485   RS485

LOW BANDWIDTH MODE

Multiple Inverters

Cellular Tower   Monitoring Platform

Single Inverter

Cellular Tower   Monitoring Platform

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