

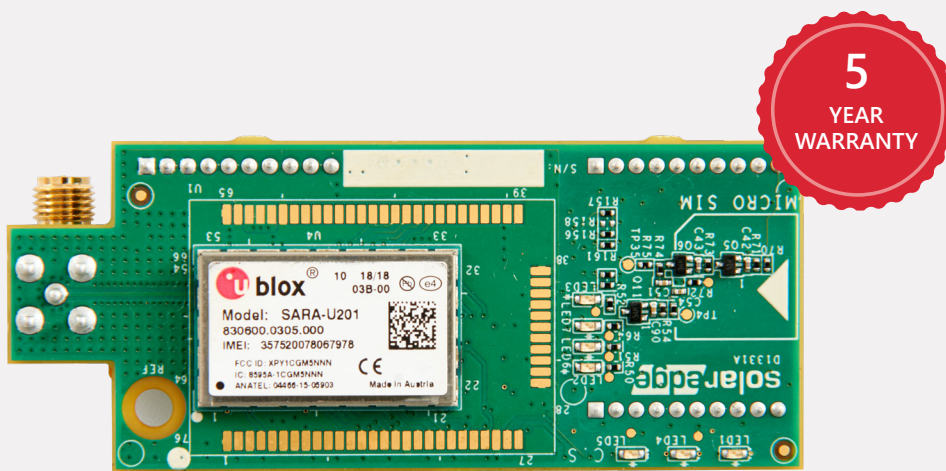
# Cellular Plug-in with Data Plan

For Europe and Israel

SE1000-GSM02-B

SE-SIM-R12-EU-S1 / SE-SIM-R12-EU-S2

SE-SIM-R05-EU-S5 / SE-SIM-R05-EU-S3



COMMUNICATION

## Cellular Internet Connectivity

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

\* 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>

# / Cellular Plug-in with Data Plan

## For Europe and Israel

SE1000-GSM02-B

SE-SIM-R12-EU-S1 / SE-SIM-R12-EU-S2

SE-SIM-R05-EU-S5 / SE-SIM-R05-EU-S3

SEXXXX-XXXXXBXX4 (INVERTERS WITH SetApp CONFIGURATION)			
COMPATIBLE INVERTERS			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 <sup>(1)</sup>	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 <sup>(2)</sup>		

(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.

# / Cellular Plug-in with Data Plan

For Europe and Israel

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SE-SIM-R12-EU-S1 / SE-SIM-R12-EU-S2

SE-SIM-R05-EU-S5 / SE-SIM-R05-EU-S3

## SolarEdge Data plans for High Bandwidth Mode

	SE-SIM-R05-EU-S5	SE-SIM-R05-EU-S3
Supported Systems	Commercial systems up to 100kW DC	Commercial systems up to 250kW 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	5 year prepaid plan	

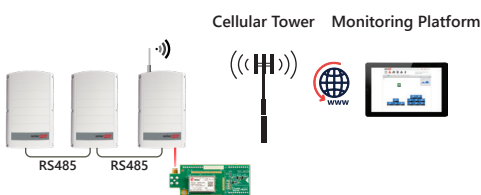
## SolarEdge Data Plans for Low Bandwidth Mode

	SE-SIM-R12-EU-S1	SE-SIM-R12-EU-S2
Supported Systems	Residential systems: one inverter, up to 60 power optimizers, and 2 meters	Residential StorEdge systems: one inverter, up to 60 power optimizers, 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 Cellular Plug-in	1	
Plan Duration	12 year prepaid plan	

## Cellular Plug-in Offering

	Cellular Plug-in Inverter	Cellular Plug-in	Data Plan
Description	Inverter with built-in Cellular Plug-in	Plug-in	SIM card with data plan
Supported Systems	Single and three phase inverters	Single and three phase inverters with part number SEXXXX-XXXXXBXX4	Residential and StorEdge systems
Data Plan	Data plan purchased separately	Data plan purchased separately	Data sampled every 15 minutes and uploaded every 4 hours
Part Number		SE1000-GSM02-B	SE-SIM-R12-EU-S1 (residential) / SE-SIM-R12-EU-S2 (StorEdge)

### HIGH BANDWIDTH MODE



### LOW BANDWIDTH MODE

