



# SolarEdge Cellular GSM Modem

## For Europe & APAC



COMMUNICATION

### Cellular Internet Connectivity

- Connects SolarEdge inverters wirelessly to the Internet
- No need for Internet infrastructure at site
- Built into the inverter for outdoor resilience
- Enables remote analysis and troubleshooting
- Supports low bandwidth configuration for reduced data usage and cost
- SIM card purchased from SIM provider, giving freedom to select provider and data plan

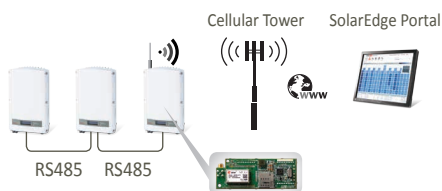


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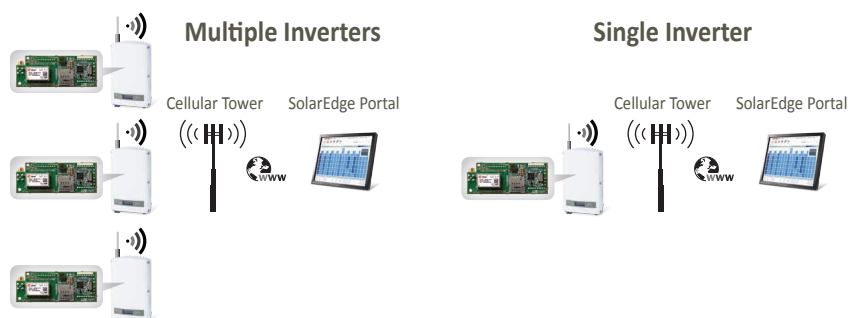
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			UNIT
<b>FUNCTIONAL</b>	High Bandwidth	Low Bandwidth	
Number of Inverters Monitored with a Single GSM Modem	Up to 32	1	
Data Upload Rate	Continuous	Every four hours	
Data Sampling Rate	5	15	minutes
Monthly Data - per Inverter	7.8	2.6	MB
Monthly Data - per Optimizer	0.15	0.05	MB
Monthly Data - per Production Meter	0.3	0.1	MB
Monthly Data - per Export or Consumption Meter	3	1.3	MB
Monthly Data - per Battery	3	1.2	MB
<b>RF PERFORMANCE</b>			
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: 900MHz band	33		dBm
Maximum output power: 1800MHz band	30		dBm
Maximum output power: 2100MHz band	24		dBm
Receiver Input Sensitivity (Downlink RF level @ BER Class II < 2.4 % )	Typical -109		dBm
<b>STANDARD COMPLIANCE</b>			
Emissions and Radio	EN 301-489-1, EN 301-489-7, EN 301-511		
<b>INSTALLATION SPECIFICATIONS</b>			
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		
<b>SIM CARD HOLDER</b>			
SIM card Type	MicroSim (SIM card not provided)		

### High Bandwidth mode



### Low Bandwidth mode



**RoHS**