



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

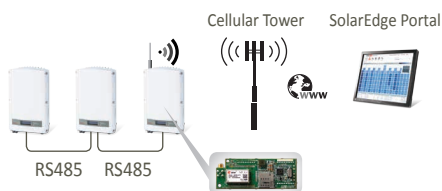


SolarEdge Cellular GSM Modem

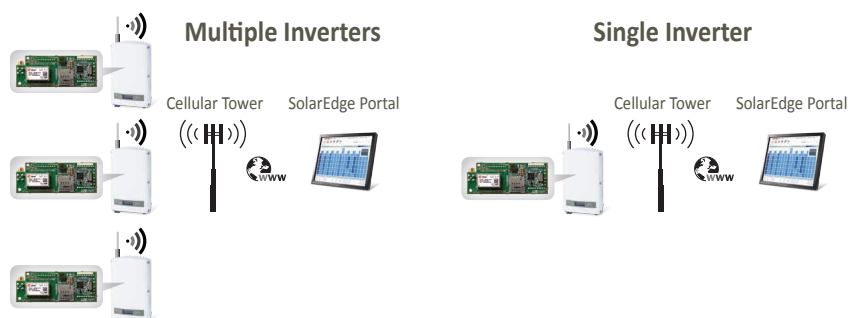
For Europe and APAC

	High Bandwidth	Low Bandwidth	UNIT
FUNCTIONAL			
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
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: 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
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		
SIM CARD HOLDER			
SIM card Type	MicroSim (SIM card not provided)		

High Bandwidth mode



Low Bandwidth mode



RoHS

© SolarEdge Technologies, Inc. All rights reserved. SOLAREEDGE, the SolarEdge logo, OPTIMIZED BY SOLAREEDGE are trademarks or registered trademarks of SolarEdge Technologies, Inc. All other trademarks mentioned herein are trademarks of their respective owners. Date: 12/2015. V.01. Subject to change without notice.