



SolarEdge Cellular GSM Kit & Data Plans

For North America

SE-GSM-R05-XX-S1 / SE-GSM-R05-XX-S2

SE-GSM-R12-XX-S1 / SE-GSM-R12-XX-S2



COMMUNICATION

Cellular Internet Connectivity

- 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
- Includes SolarEdge data plan
- Future proof solution



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DATA PLAN	SE-GSM-R05-XX-S1* / SE-GSM-R12-XX-S1*	SE-GSM-R05-XX-S2* / SE-GSM-R12-XX-S2*	UNIT
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		
Number of Monitored Inverters with a Single GSM Modem Kit	1		
Plan Duration	5 / 12 year prepaid plan**		
RF PERFORMANCE			
Operating Frequency Min.-Max. 850	Modem transmit: 824-849 Modem receive: 869-894		MHz
Operating Frequency Min.-Max. 1900	Modem transmit: 1850 -1910 Modem receive: 1930 -1990		MHz
Antenna	Included, 2dBi outdoor; Dual band antenna: 824-960MHz / 1710-2170MHz		
Maximum output power: 850MHz band	33		dBm
Maximum output power: 1900MHz band	30		dBm
Receiver Input Sensitivity (Downlink RF level @ BER Class II < 2.4 %)	Typical -109		dBm
STANDARD COMPLIANCE			
Emissions and Radio	FCC CFR Title 47 Part 15 Class B, Part 15.247		
INSTALLATION SPECIFICATIONS			
Dimensions (L x W)	3.55 x 1.35 / 90.5 x 34.5		in/mm
Operating Temperature	-40 to +185 / -40 to +85		°F/°C

* XX = NA for data plans in Canada, XX = US for data plans in the US

** For a 5 year plan purchase SE-GSM-R05-XX-S1 / SE-GSM-R05-XX-S2 for a 12 year plan purchase SE-GSM-R12-XX-S1 / SE-GSM-R12-XX-S2

For 12 year data plans - in the event that third party cellular technology currently used by SolarEdge (3G GSM) is phased out or becomes otherwise unavailable, SolarEdge shall ship replacement parts such as modem and/or SIM card of a prevailing technology. Upon such replacement, the new prevailing hardware shall continue to be covered for the remainder of the original data plan duration.

Customer is responsible for verifying that the region of installation is covered by the 3G GSM network prior to any installation by accessing: <http://aeris.cellmaps.com/?instance=global> SolarEdge shall not be responsible or liable for unavailability or discontinuance of network coverage in a specific area or region or any network downtime.

