

CELL-B-R0-GLO-V-S0



# COMMUNICATION

# Cellular Internet Connectivity for Commercial and Residential Installations

- Compatible with SetApp-enabled inverters
- Connects SolarEdge inverters wirelessly to the internet
- I No need for internet infrastructure at site
- Installed within the inverter enclosure for outdoor resilience, or in the communication gateway
- Supports high bandwidth monitoring of inverters, optimizers, batteries, meters and weather stations
- I Enables remote analysis and troubleshooting



# / Cellular Plug-In CELL-B-R0-GLO-V-S0

Model Number: CELL-B2

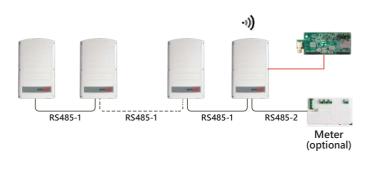
COMPATIBLE INVERTERS		(All SolarEdge Inverters with SetApp Configuration)		UNITS
Number of Monitored Inverters with a Single Cellular Plug-in		Commercial: Up to 32 inverters (*) Residential: 1 inverter		
Monitoring		Data sampled every 5 minutes and sent to SolarEdge server continuously		
Monthly Data - per Inverter		7.8		MB
Monthly Data - per Power Optimizer		0.15		MB
Monthly Data - per Revenue Grade Meter		0.3		MB
Monthly Data - per Export or Consumption Meter		3		MB
Monthly data - Commercial Gateway		3		MB
RF PERFORMANCE		OPERATING		
		FREQUENCY		
LTE Cat-1 FDD		Band/ Freq (MHz)	Modern Transmit / Modern received	
		2100 (B1)	1920-1980 / 2110-2170	MHz
		1800 (B3)	1710-1785 / 1805-1880	MHz
		2600 (B7)	2500-2570 / 2620-2690	MHz
		900 (B8)	880-915 / 925-960	MHz
		800 (B20)	832-862 / 791-821	MHz
		700 (B28A)	703-748 / 758-803	MHz
WCDMA GSM		2100 (B1)	1920-1980 / 2110-2170	MHz
		900 (B8)	880-915 / 925-960	MHz
		900 (EGSM)	880-915 / 925-960	MHz
		1800 (DCS)	1710.2-1784.8 / 1805.2-1879.8	MHz
LTE FDD		23 dBm ± 2dB		
Maximum Transmit Power WCDMA		24 dBm +1dB/-3dB		
GSM		33 dBm ± 2dB		
LTE FDD		-97		
Receiver Input Sensitivity Cat-1 WCDMA		-109		dBm
GSM		-108.6		
Bandwidth		1.4 - 20(2)		MHz
LTE		Downlink: QPSK\16QAM\64QAM, Uplink: QPSK\16QAM		
Modulation WCDMA		Downlink: QPSK, Uplink: BPSK		MHz
GSM		Downlink: GMSK, Uplink: GMSK		
ANTENNA	I		•	
Dual Antenna Bands		690-960 / 1710-2700		MHz
Antenna Type		Outdoor		
Antenna Connector		RP-SMA or N plug		
VSWR		≤4.0		
Gain		2		dBi
Polarization		Vertical		UDI
		PC Lexan 503R-WH5151L or WH8G952 Sabic		
Material Dimensions (Length x Diameter)		7.87 x 0.78 / 200 x 20		in / mm
Cable Length		71 / 180		117 1000
ÿ		, 100		in / mm
STANDARD COMPLIANCE				
EMC and Radio		Global: GCF, Europe: CE, Australia & New Zealand: RCM, Russia: FAC		
RoHS		Yes		
INSTALLATION SPECIFICATION	S			
Dimensions (L x W x H)		3.07 x 1.27 x 0.55 / 78.2 x 32.5 x 14.2		in / mm
Operating Temperature		-40 to +85 / -40 to +185		°C / °F
Mounting		Built into the inverte	er or purchased separately	
Power consumption		LTE: 2.8 (@23dBm output power) GSM: 2.4 (@33dBm output power) WCDMA: 2 (@24dBm output power)		W
SIM CARD HOLDER				
			lano Sim	

\* Information concerning the Data Plan's terms & conditions is available in the following link: https://www.solaredge.com/sites/default/files/se-communication-plan-terms-and-conditions-eng.pdf
 (1) For larger systems, use multiple cellular plug-ins
 (2) The exact value depends on actual operating band
 (3) Non-SolarEdge SIM cards must be LTE Cat-1 or GSM/WCDMA Cellular compatible

# / Cellular Plug-in

CELL-B-R0-GLO-V-S0

## Single or Multiple Commercial Inverters



Cellular Tower

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Monitoring Platform



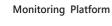
### Single or Multiple Residential Inverters



Inverters











Cellular Tower

Monitoring Platform











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