



SolarEdge GSM Modem



Effortless Monitoring

- Connects wirelessly to the monitoring portal
- Uses available GSM Network
- Easy installation, connects to serial port
- External antenna for strong reception
- European compliance



architects of energy™



OVERVIEW

SolarEdge offers a GSM/GPRS modem for wireless connectivity. The modem enables a wireless link between a master inverter and the SolarEdge monitoring server using GSM cellular communication. GSM connectivity allows to effortlessly connect remote installations to the monitoring portal. In addition, it allows simplifying installations, making them safe – no lightning protection required and aesthetic – no long cables and fixtures.

The external GSM/GPRS modem is connected to the SolarEdge inverter via its serial RS232 connector. The modem comes pre-configured to work with SolarEdge installations, requiring only local carrier adaptation.

TECHNICAL DATA

PERFORMANCE		
RF Data Rate	14.4	kbps
Frequency Bands	850/900/1800/1900	MHz
Transmit Power	30 (@ 1800/1900 MHz) / 33 (@ 850/900 MHz)	dBm
Receiver Sensitivity	-106	dBm
Data Volume	0.13 (per power optimizer) / 0.25 (per inverter)	MB / month
ELECTRICAL & MECHANICAL		
Antenna	External, 0 dBi, SMA/M connector	
Inverter Connector	RS232	
Power Supply	5.5-32	VDC
Power Consumption (Idle/In Comm.)	144 / 1080	mW
Dimensions (HxWxD)	90 x 54.5 x 25.5 / 3.5 x 2.1 x 1.0	mm / in
Weight	88 / 0.2	gr / lb
ENVIRONMENTAL & COMPLIANCE		
Operating Temperatures	-20 – 60 / -4 – 140	°C / °F
Regulatory Approvals	R&TTE 1999/5/EC, ETSI EN 301 489-7	
Ingress Protection	IP31	
ADDITIONAL FEATURES		
Power Supply	Included, 12V/1A, European plug, 2m long cable	
Null Modem (cross-linked) RS232 cable	Included	
SIM Card & Data Package	Not included	
Supported Network	GSM / GPRS	

- USA** 900 Golden Gate Terrace, Suite E, Grass Valley CA 95945, USA
- Germany** Bretonischer Ring 18, 85630 Grasbrunn (Munich), Germany
- Italy** VISMUNDA SRL- Corso Del Popolo 50/A, Treviso, Italy
- Japan** B-9 Ariake Frontier Building, 3-7-26 Ariake, Koto-Ku, Tokyo 135-0063, Japan
- China** City Center, 100 Zunyi Road, Building A, Unit 1204, Shanghai 200051, China
- Israel** 6 HeHarash St. P.O.Box 7349, Neve Neeman, Hod Hasharon 45240, Israel

www.solaredge.com

