



Features

- ▶ Plug-and-play, easy use, cable-free
- ▶ 2G,3G network monitoring, suitable for rural area
- ▶ Remote inverter firmware upgrading
- ▶ Cloud server for data storage
- ▶ Web browser or mobile APP viewing
- ▶ Build-in storage and clock supporting local storage and uploading

Datasheet	ShineGPRS	Shine3G
General Data		
Dimensions(Length/Width/Height)	135/79/29 mm	135/79/29 mm
Weight	70g	70g
Language	English, Chinese	English, Chinese
Wireless Parameters		
certificate and approvals	CE	FCC/CE
network type	2G GSM(GPRS)	GSM/GPRS/EDGE/UMTS/HSDPA
GSM/GPRS/EDGE frequency range	850/900/1800/1900MHZ	850/900/1800/1900MHZ
UMTS/HSDPA frequency range	NA	900/2100MHZ
Antena gain	3dBi	3dBi
max output power	GSM850/GSM900: 2W DCS1800/PCS1900: 1W	UMTS850/1900: 0.25W UMTS900/2100: 0.25W GSM850/GSM900: 2W DCS1800/PCS1900: 1W
speed	GPRS -Max.85.6Kbps(DL),MAX.42.8Kbps(UL)	HSDPA -Max.3.6Mbps WCDMA -Max.384Kbps(DL),Max.384Kbps(UL) EDGE Class -Max.236.8Kbps(DL),Max.118Kbps(UL) GPRS – -Max.85.6Kbps(DL),MAX.42.8Kbps(UL) CSD -GSM data rate 14.4Kbps -WCDMA data rate 57.6Kbps -WCDMA 64Kbps CSD for Video call
Hardware Parameters		
serial port speed	9600bps	9600bps
operating voltage	9V (± 5%)	9V (± 5%)
operating current	1.5A	1.5A
operating temperature	-40℃ ~ +85℃	-40℃ ~ +85℃
storage temperature	-40℃ ~ +85℃	-40℃ ~ +85℃
Application Parameters		
server	ShineServer	ShineServer
communication with inverter	RS232(Modbus RTU protocol)	RS232(Modbus RTU protocol)
communication with server	TCP(Modbus TCP protocol)	TCP(Modbus TCP protocol)
network supported	2G GSM(GPRS)	2G GSM、 3G WCDMA
configuration interface	APP	APP
SIM type	regular SIM card	regular SIM card
uploading interval	5 Mins (1-15 adjustable)	5 Mins (1-15 adjustable)
default server IP	server.growatt.com	server.growatt.com