

External data logger

S-G01



By collecting information from inverters including status and performance, SolarMAN external data loggers make the long-term monitoring of PV systems feasible and efficient.

By connecting with single or multiple inverters through RS485/422/232 interface, the data logger can collect information of PV systems from inverters. In addition, SolarMAN Portal can provide powerful data support for users. Data collected by the data logger can be transmitted to the monitoring portal via Ethernet, WiFi, GPRS and Zigbee, etc. Both real-time and historical data can be displayed with transparent graphs. Customized alerts can notify users of any malfunction or defect immediately via SMS and emails.

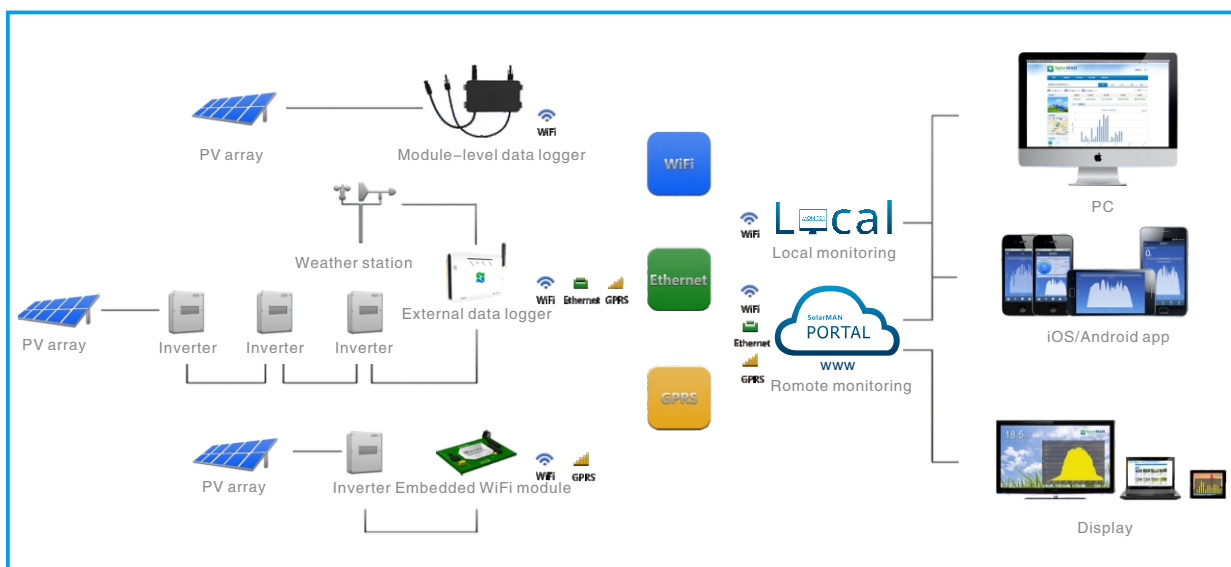
SolarMAN GPRS Kit is suitable for standalone plants or buildings where no network connection is available. A GPRS module is integrated in the data logger, and with a valid SIM card, the data logger can transmit data via mobile network. As the strategic partner of China Mobile, SolarMAN can provide users of GPRS data logger with the most cost-effective global roaming SIM cards which support GPRS data roaming in almost all countries around the world. We will provide the most favorable tariff and the best package for users to ensure the long-term and stable data acquisition from data loggers, therefore ensuring continuous monitoring of PV systems.

- Compatible with most inverters on the market
- Can be connected to up to 64 inverters
- Devices such as combiner box, electric meter and weather station, etc. can be connected
- Quick installation and easy operation with "Plug & Play" function
- Data storage of over 25 years
- Global roaming enables perfect operation for plant sites all over the world

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General		Electrical	
Max. number of inverters	1-64	Input voltage	DC 5V
Inverter communication	RS485/422/232	Static power consumption	< 2W
Remote communication	GPRS	Max. instantaneous power consumption	<3 W
Max. communication range	<1km	Environmental	
Communication rate	1200-19200bps(Adjustable)		
WiFi frequency	800/900/1800/1900MHz	Operating temperature	-10~+65℃
WiFi communication range	---	Operating humidity	10%~90% Relative humidity, no condensation
WiFi transmitting power	Class 4(2W)/Class 1(1W)	Storage temperature	-40~+85℃
		Storage humidity	<40%
Data collection intervals	5minutes (Default)/ 1-15minutes (Optional)	Protection class	IP21
		Physical	
Memory	SD Card/EEPROM(Optional)	Dimension(L*W*H)	110mm*80mm*26mm
Preferences setting	Serial AT instruction	Weight	102g
Firmware updates	Serial/Wireless	Other	
Data access	Serial/Remote server	Installation method	Wall mounted or flatwise
		Certificates	FCC,CE,RoHS
Status display	4LEDs		

SolarMAN Monitoring System



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