MONITORING
FOR
BETTER FUTURE

Inverter Logger

WiFi/Ethernet

By collecting information from inverters including status and performance, Inverter Loggers make the long–term monitoring of PV systems feasible and efficient.

By connecting with single or multiple inverters through RS485/422/232 interface, inverter loggers can collect information of PV systems from inverters. In addition, SLARMAN Portal can provide powerful data support for users. Data collected by the logger can be transmitted to the monitoring portal via Ethernet, WiFi, GPRS, 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 emails.

Inverter Logger (WiFi+Ethernet) is suitable for homes and office buildings where WiFi network is available. A WiFi module is integrated in the logger, enabling data transmission via WiFi network. No additional wiring or software is required, far simplifying installation and reducing costs for users. Furthermore, an independent web server is integrated in the logger, which enables users to directly connect to the WiFi Access Point of the logger and to check the performance and yield of the inverter even without any outer network.

* Users need to prepare wireless router.

- Ensure completeness of collected data　Data resuming
- Devices could be upgraded and debugged remotely for easy maintenance　Remote upgrade
- Realtime alerts with immediate notification for fast troubleshooting　Alert notification
- Embedded Web Server for quick data access and simple configuration
- Check the system status anytime and anywhere via online portal or app, no additional software required
- 100M Ethernet port for high–speed data transmission via cable network

Model		Data logger 01
General	Max. number of inverters	Basic ver.: 1–4 Advanced ver.: 1–10 Professional ver.: 1–20 *For inverters with RS232, each data logger can only support one inverter at a time
	Inverter communication	RS485/422/232
	Remote communication	WiFi(802.11 b/g/n)/Ethernet
	Max. communication range	<1km
	Communication rate	1200–19200bps(Adjustable)
	WiFi frequency	2.4GHz
	WiFi communication range	400m in outdoor open area without obstruction
	WiFi transmitting power	802.11b/g/n:+20dBm/+18dBm/15dBm(Max)
	Data collection intervals	5minutes(Default)/1–15minutes(Optional)
	Memory	EEPROM
	Preferences setting	Web Server/Serial port AT instruction
	Firmware updates	Serial port/Wireless
	Data access	Serial port/WiFi point–to–point/Remote server
	Status display	4 LEDs
Electrical	Input voltage	DC 5V
	Static power consumption	<1.6W
	Max. instantaneous power consumption	<2.5W
Environmental	Operating temperature	−10℃~+65℃
	Operating humidity	10%–90% Relative humidity, no condensation
	Storage temperature	−40℃~+85℃
	Storage humidity	<40%
	Protection class	IP21
Physical	Dimension(L*W*H)	110mm*80mm*26mm
	Weight	108g
Other	Installation method	Wall mounted or flatwise
	Certificates	FCC,CE

PV array   Inverter   Inverter Logger   WiFi   Ethernet   Router   Remote server   Portal   Local