SOLARMAN
Monitored Analyzed Networked

LS4G-6-G

Stick Logger

LS4G-6-G is a cost-effective IoT product specially designed for solar industry. It can connect to single inverter, battery or other devices via various interface and transmit the collected data to the remote/local monitoring platform via 4G/WiFi. Furthermore, it realizes the functions such as data collection and reporting, configuration deployment, firmware upgrade, real-time control and etc.

Applicable Scenarios

Suitable for residential and small/medium-sized C&I solar plant in Europe, the Americas, Oceania, Africa, and the Middle East.

- Implement real-time monitoring and management of new energy device
- Realize device local/remote upgrade
- Analyze and optimize production data to achieve refined O&M
- Timely fault location and troubleshooting

Features

Easy to use

Upload data and fault information in seconds

Support local/remote debugging and diagnosis with or without network

OneQR debugging and acceptance

High Compatibility

Compatible to multiple inverter interfaces

Embedded twin model, enabling quick customization and adaptation

Reliable&Stable

IP66 water-resistant

Support breakpoint resuming

Excellent Performance

Upgrade to 4G and 6th generation WiFi technology

Customized external antenna to enhance 4G signal quality

Two kind of SIM cards can be selected to cope with the coverage differences of different operators

Support four-way direct transmission with data encrypted

Support IV curve fault diagnosis and recording

Compliant with EN 303 645

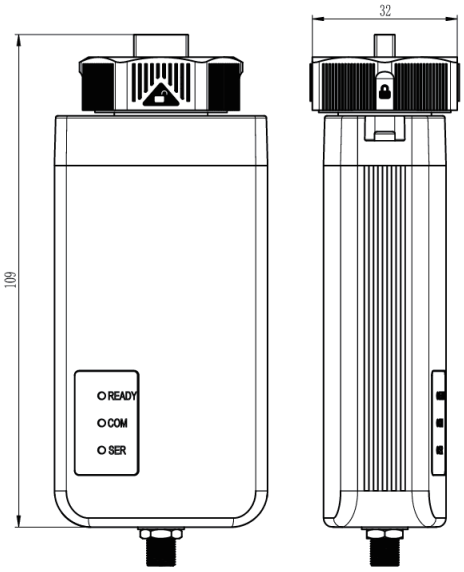
Compliant with ETSI EN 303 645 standard

Support power grid dispatch, e.g. CSIP-US/AUS

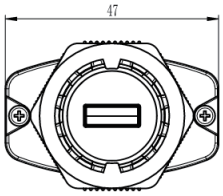
Product Parameter

SOLARMAN
Monitored Analyzed Networked

Communication Parameter	
Remote Communication	4G+2G+WiFi 6
4G Working Frequency	EMEA/Brazil/Australia/New Zealand: 4G CAT1:LTE-FDD B1,B3,B5,B7,B8,B20,B28; 2G:GSM B2,B3,B5,B8; Latin America: 4G CAT1:LTE-FDD B2,B3,B4,B5,B7,B8,B28,B66; 2G:GSM B2,B3,B5,B8; North America: 4G CATM1:LTE-FDD B1,B2,B3,B4,B5,B8,B12,B13, B18,B19,B20,B25,B26,B27,B28,B66,B85; 2G:GSM850,EGSM900,DCS1800,PCS1900;
4G Transmitting Power	LTE-FDD：Class3(23dBm±2dB)
WiFi Standard	802.11b/g/n/ax
WiFi Frequency Range	2.412GHz-2.472GHz (CH1~CH13)
WiFi Transmitting Power	802.11b:+17dBm±1.5dBm(@11Mbps) 802.11g:+15dBm±1.5dBm(@54Mbps) 802.11n:+14dBm±1.5dBm(@HT20,MCS7)
Bluetooth Standard	BLE5.0
Bluetooth Frequency Range	2.402GHz-2.480GHz
Bluetooth Transmitting Power	Max 7dBM



Hardware Parameter	
External Interface	USB2.0, Aeronautical head (Big/Small), USB3.0, DB9
Data Interface	USB, RS485, RS232, TTL
Data Storage	8MB
SIM Card	Chip card/Plug-in card
Antenna	4G external antenna
Working Voltage	DC 5-12V (±5%)
Working Power	≤4W
Indicator Light	One shows stick logger running status One shows communication status with inverter One shows communication status with server
Working Temperature	-30°C~+70°C
Working Humidity	10%-90%, no condensation
Storage Temperature	-45°C~+90°C
Storage Humidity	<40%, no condensation



Unit: mm, Accuracy: ±2%

Software Parameter	
No. of Connections	One
Serial Communication Rate	Default: 9600bps(1200-115200bps optional)
Data Transmission Interval	Default: 5 mins
User Configuration	Remote server/APP configuration
Firmware Upgrade	Local/Remote upgrade
Real-time Control	√
Breakpoint Resuming	√

IGEN Tech Co., Ltd.

Add: Building H4, China IoT International Innovation Park, No. 6, Jingxian Load, Wuxi, Jiangsu, P. R. China
For Sales: info@solarmanpv.com **For After-sales:** customerservice@solarmanpv.com
Tel: +86-400-181-0512 **Web:** www.solarmanpv.com

SOLARMAN PV