

LSW-6

Stick Logger



LSW-6 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 WiFi. Furthermore, it realizes the functions such as data collection and reporting, configuration deployment, firmware upgrade, real-time control and etc.

I Applicable Scenarios

Suitable for residential and small/medium-sized C&I solar plant with strong WiFi signal.

- 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

I Features



Easy to use

- Standard Bluetooth distribution network, ensuring higher successful rate
- Upload data and fault information in seconds
- Batch distribution network for multiple devices
- Support local/remote debugging and diagnosis with or without network
- OneQR debugging and acceptance



Excellent Performance

- Upgrade to 6th generation WiFi technology
- Support two-way direct transmission with data encrypted
- Support IV curve fault diagnosis and recording



Reliable&Stable

- IP66 water-resistant
- Support breakpoint resuming



High Compatibility

- Compatible to multiple inverter interfaces
- Embedded twin model, enabling quick customization and adaptation



Compliant with EN 303 645

- Compliant with ETSI EN 303 645 standard
- Support power grid dispatch, e.g. CSIP-US/AUS

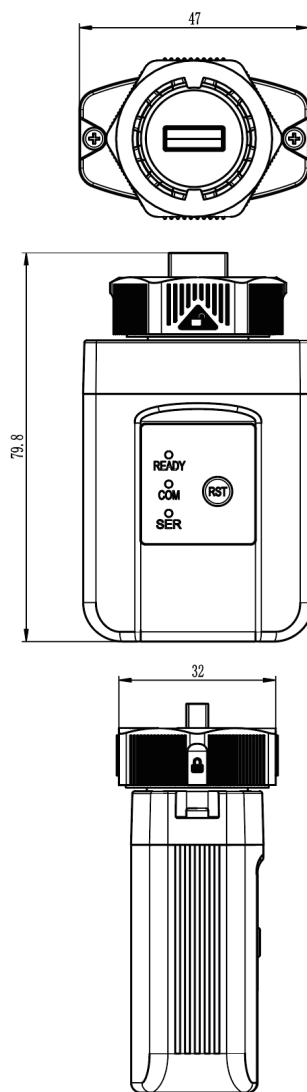
I Product Parameter

Communication Parameter

| | |
|------------------------------|-----------------------------------|
| Remote Communication | WiFi 6 |
| WiFi Standard | 802.11b/g/n/ax |
| WiFi Frequency Range | 2.412GHz-2.472GHz (CH1~CH13) |
| | 802.11b:+17dBm±1.5dBm(@11Mbps) |
| WiFi Transmitting Power | 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 |
| Working Voltage | DC 5-12V (±5%) |
| Working Power | 2W |
| 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 | ✓ |

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