

# 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

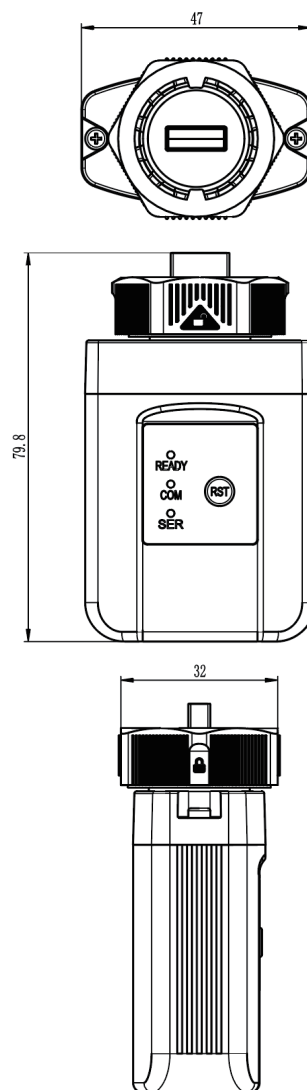
# I Product Parameter

## 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 $\pm$ 1.5dBm(@11Mbps)
WiFi Transmitting Power	802.11g: +15dBm $\pm$ 1.5dBm(@54Mbps)
	802.11n: +14dBm $\pm$ 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 ( $\pm$ 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:  $\pm$ 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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