

# LSE-4W

## Stick Logger

LSE-4W is a cost-effective IoT product specifically designed for inverters. It can connect to single inverter or energy storage battery through multiple interfaces. By collecting operating data and power generation status of inverter, LSE-4W realizes various functions, including data collection and reporting, configuration deployment, and firmware upgrades. Furthermore, LSE-4W innovatively achieves two-way data transmission via WiFi or Ethernet.

## I Applicable Scenarios

Suitable for residential and small/medium-sized C&I scenarios where easy wiring is required or WiFi network signal is strong.

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

## I Features

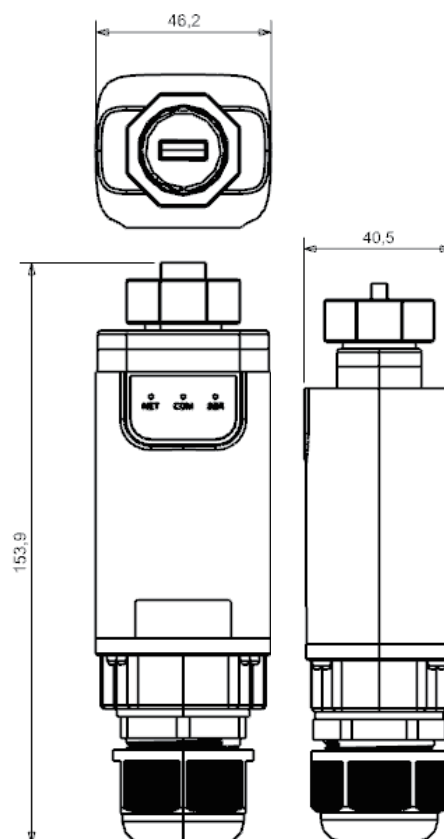
- Multiple physical interfaces, applicable to mainstream inverters
- Support data transmission via WiFi or Ethernet, high adaptability across different scenarios
- Standard Bluetooth, pair with SOLARMAN APP easy for daily O&M
- Support data resuming, preventing data loss
- Encrypted data transmission, ensuring data security and user privacy
- Support two-way direct forwarding and customized protocol
- IP65 design, resist to harsh environment
- Plug-and-play, easy for installation



# I Parameters

Communication Parameter	
Remote Communication	2.4G WiFi+Ethernet
Ethernet Standard	802.3
Ethernet Rate	10/100M Base-T
WiFi Standard	802.11 b/g/n
WiFi Frequency Range	2.412GHz~2.472GHz
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

Hardware Parameter	
External Interface	USB2.0, Aeronautical head (Big/Small), DB9
Data Interface	USB, RS485, RS232, TTL
Data Storage	4MB
Working Voltage	DC 5-12V (±5%)
Working Power	1.5W
Indicator Light	One shows communication status with server One shows stick logger running status One shows communication status with inverter
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 (1200-57600bps optional)
Data Transmission Interval	Default: 5 mins
Firmware Upgrade	Local/Remote upgrade
User Configuration	Remote server/APP configuration
Real-time Control	✓
Breakpoint Resuming	✓

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