STATUS   LINK   485/422   POWER

5V DC

SOLARMAN
Monitored Analyzed Networked

485/422   Term120Ω   SIM   RESET

INVERTER

LOGGER

WiFi & Ethernet

- High network coverage around the world

- Suitable for rural areas where no network connection is available

- Plug-and-play for a quick installation and easy operation

- Real-time alerts for immediate and quick troubleshooting

- Check the system status anytime and anywhere via online portal or app, no additional software required

- Remote firmware update and error analysis

GLOBAL DATA SERVICE

SofarSolar provides global data service for users around the world. For project sites in rural areas or places without Internet access, the inverter logger ensures stable data transmission to a remote server via mobile network, enabling remote monitoring anytime, anywhere.

Data plans for
different users

Wide network coverage
for most countries

Pay-as-you-go service
& online top up

Datasheet	LIG-1	LIW-1
General Parameters		
Number of connections	Basic Version: 1-4, Advanced Version: 1-10	Basic Version: 1-4, Advanced Version: 1-10
Inverter Communication interface	One-way RS485 / 422	
Remote Communication interface	GSM	WiFi (802.11b / g / n) / Ethernet
Serial Communication rate	1200-57600bps (configurable)	1200-19200bps (configurable)
Working frequency	850 / 900 / 1800 / 1900 mHz	2.4GHz
Communication range	-	400 m (open space)
Transmitting power	2W(max.) / 1W(min.)	802.11b / g / n:+20 dBm / +18 dBm / 15 dBm (max.)
Data collection interval	Default: 5 mins (1-15 mins configurable)	
Parameter setting	Serial port AT instruction	Web server / serial port AT instruction
Data access	RS485 / 422, remote server	Serial port / WiFi point to point / remote server
Status	LED x4	
Electrical Parameters		
Input voltage (V)	5 (+/-5%)	5
Static power consumption (W)	< 2	< 1.6
Max. instantaneous power consumption (W)	3	< 2.5
Environmental Parameters		
Working temperature	-25℃~+65℃	-10℃~+65℃
Working humidity	10%~90% (no condensation)	
Storage temperature	-25℃~+65℃	-10℃~+65℃
Storage humidity	< 40%	
Protection class	IP21	
Physical Parameters		
Dimension (mm)	110*80*24	110*80*26
Others		
Installation	Wall-hanging / flatwise	

LIG-1 / LIW-1_EN_202206

STICK

LOGGER

WiFi / Ethernet

- Independent from inverter to protect parts inside the inverter, eliminate potential problems

- Plug-and-play for easy installation, no external power supply needed

- External light indicator, logging status at a glance

- Outdoor design, easier to replace faulty equipment

- IP65 design, adaptable to bad weather conditions

- User-friendly App platform to monitor yield performance any time, anywhere

Datasheet	LSW-3	LSE-3
General Parameters		
Remote Communication interface	WiFi	LAN
Working frequency	2.142GHz~ 2.484GHz	Adaptive network 10 m / 100 m
Antenna	External WiFi, stick antenna	-
Data interface	RS232	
Working voltage (V)	4.7 -15	
Working power (W)	1.5	1
Memmory	2M Flash (2M-16M optional)	
Working temperature	-40℃~+85℃	
Working humidity	< 90% (no condensing)	
Number of connections	One	
Serial Communication rate	bps (1200-115200bps configurable)	
Data acquisition interval	Default 5min (1-15min configurable)	
Use configuration	AT+instruction set, remote server APP / web	Web
Firmware upgrade	Remote upgrade	
Others	Real-time control, data resuming	

LSW-3 / LSE-3_EN_202206