solis
GINLONG TECHNOLOGIES CO.,LTD.

S2-WL-ST

Solis Data Loggers

Use RS485 communication method to connect the inverters, up to 10 inverters can be connected at the same time. Data communication with the monitoring system through wireless WiFi network or LAN, which can realize remote control and monitoring. The network transmits intuitive data, which is convenient for customers to monitor anytime and anywhere. Stores full inverter data offline ; max 30-day storage for 1 inverter, the storage duration decreases proportionally as more inverters are connected. Backfills complete gap-free historical data upon network recovery.

Features:

- Support WiFi and LAN communication
- Status indicator, easy to display working status
- RESET button, one key to send data, convenient debugging
- Plug and play, quick installation
- Fault alarm, real-time monitoring
- Support Bluetooth nearby connection and debugging
- Support MODBUS TCP
- Support maximum 30-day breakpoint resume transmission for single inverter

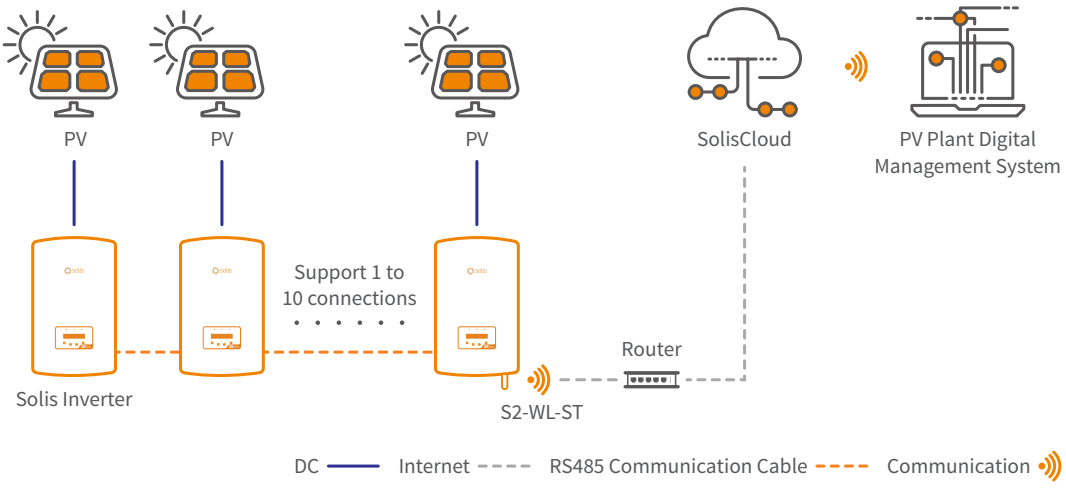


S2-WL-ST (4 Pin)



S2-WL-ST (USB)

Intelligent Monitoring Solution - S2-WL-ST



DATASHEET

Models	S2-WL-ST (4 Pin)	S2-WL-ST (USB)
Communication		
Supported device type	Solis inverter	
Number of connected inverters ①	≤ 10	
Data collection intervals	5 minutes	
Status indicator	3 LED Indicator Lights	
Communication interface	External 4-Pin Port	External USB Port
Ethernet communication	Number of routes × 1, 10 / 100 Mbps adaptive, communication distance ≤ 100 m	
Wireless communication	802.11b/g/n, 2.412-2.484GHz ②	
Max. output power	802.11b: 20dBm / 802.11g: 18dBm / 802.11n: 15dBm	
Near end communication	BLE4.2	
Configuration method	APP / WEB	
Electrical		
Operating voltage	DC 5 V (+ / -5%)	
Typical power consumption	2 W	
Environment		
Operating temperature	-30 ~ +65°C	
Operating humidity	5% - 95%, Relative humidity, non-condensing	
Storage temperature	-40 ~ +70°C	
Storage humidity	< 40%	
Max. operating altitude	4000 m	
Ingress protection	IP65	
Mechanical		
Dimensions (L × W × H)	145 × 50 × 41 mm	130 × 50 × 41 mm
Installation method	Externally Insert + Twist Lock	Externally Insert + Tab Lock
Weight	100 g	90 g
Others		
Certification	CE, FCC	

① Inverters must first be hand-in-hand connected by RS485. ② 5 GHz Wi-Fi networks are not supported.