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S2-WL-ST

Solis Wi-Fi&LAN Data Logger

Models:S2-WL-ST (4 Pin) and S2-WL-ST (USB)

Description:

Up to 10 inverters can be connected to 1 data logger. The logger connects with the local router through Wi-Fi or LAN and transmits data to SolisCloud. SolisCloud, the Solis monitoring platform, allows for remote system monitoring and control. The data is clear and detailed, making it easy to monitor and troubleshoot from anywhere anytime. 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:

- Supports WiFi and LAN communication
- Simple plug-and play installation makes commissioning quick and easy
- Support Bluetooth nearby connection and debugging
- One button for instant data transmission and device configuration
- Sends alarm notifications through text and email
- Intuitive LED indicator lights displays the operating status
- Support MODBUS TCP
- Support maximum 30-day breakpoint resume transmission for single inverter

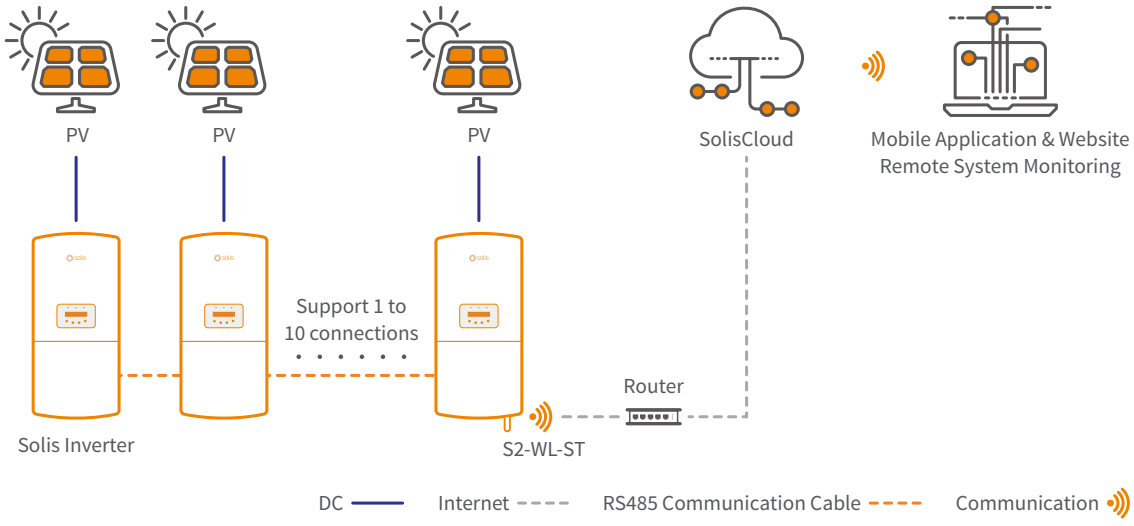


S2-WL-ST (4 Pin)



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	All Solis models except for Solis S6 inverter	Solis S6 inverter
Number of connected inverters ①	≤ 10	
Data collection intervals	5 minutes	
Status indicator	3 LED Indicator Lights	
Inverter connection 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	Mobile Application and Website	
Electrical		
Operating voltage	DC 5 V (+ / -5%)	
Typical power consumption	2 W	
Environment		
Operating temperature	-22°F to 149°F (-30 to 65°C)	
Operating humidity	5% - 95%, Relative humidity, non-condensing	
Storage temperature	-40°F to 158°F (-40 to 70°C)	
Storage humidity	< 40%	
Max. operating altitude	13,123 ft (4,000 m)	
Ingress protection	NEMA 4X	
Mechanical		
Dimensions (L × W × H)	5.7 × 2 × 1.6 in (145 × 50 × 41 mm)	5.1 × 2 × 1.6 in (130 × 50 × 41 mm)
Installation method	Externally Insert + Twist Lock	Externally Insert + Tab Lock
Weight	0.22 lb (100 g)	0.2 lb (90 g)
Others		
Certification	CE, FCC	

① Inverters must first be daisy-chained with RS485. ② 5 GHz Wi-Fi networks are not supported.