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S5-WiFi-ST

Solis Wi-Fi Data Logger

Models: S5-WiFi-ST-4Pin and S5-WiFi-ST-USB

Description:

Up to 10 inverters can be connected to 1 data logger. The logger connects with the local Wi-Fi network and transmits data wirelessly 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.

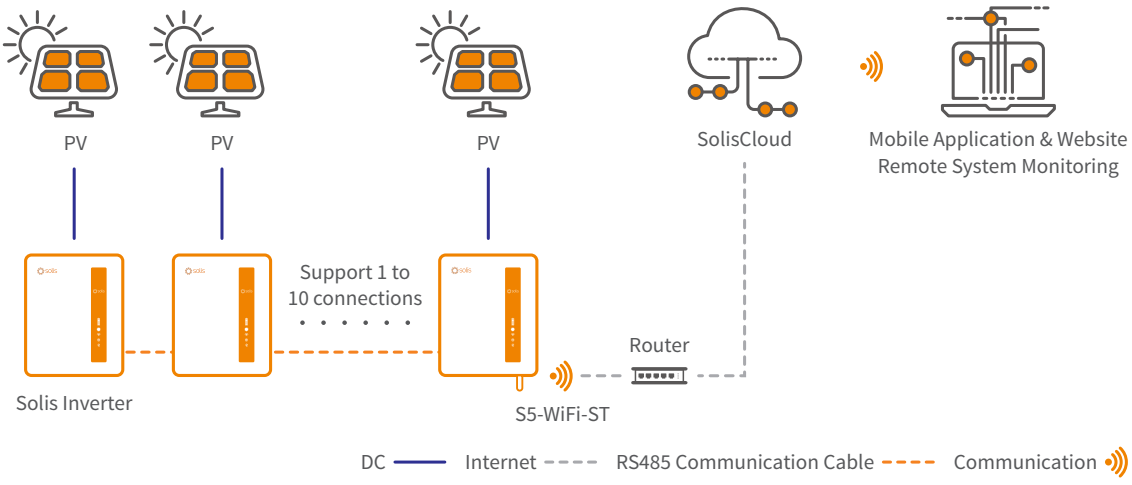
Features:

- Support dual-band router with 5GHz and 2.4GHz
- Fault alarm, real-time monitoring
- Plug and play, quick installation
- Status indicator, easy to check the operating status
- Support Bluetooth nearby connection and debugging
- RESET button, one key to send data, convenient debugging
- Support maximum 30-day breakpoint resume transmission for single inverter

S5-WiFi-ST-4Pin

S5-WiFi-ST-USB

Intelligent Monitoring Solution - S5-WiFi-ST



DATASHEET

Models	S5-WiFi-ST-4Pin	S5-WiFi-ST-USB
Communication		
Supported device type	All Solis models except for S6-EH1P(3.8-11.4)K-H-US models	Only S6-EH1P(3.8-11.4)K-H-US models
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
Wireless communication	802.11a/b/g/n, 2.412-2.484GHz / 5.150-5.350GHz / 5.725-5.850GHz	
Max. output power	802.11a: 15.5dBm; 802.11b: 18dBm; 802.11g: 16.5dBm; 802.11n: 16dBm/14.5dBm	
Near end communication	BLE5.0	
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 × 2 × 1.3 in (128 × 50 × 34 mm)	4.4 × 2 × 1.3 in (113 × 50 × 34 mm)
Installation method	Externally Insert + Twist Lock	Externally Insert + Tab Lock
Weight	0.18 lb (80 g)	0.14 lb (65 g)
Others		
Certification	CE, FCC	

① Inverters must first be daisy-chained with RS485.