S1-W4G-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 4G, 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 4G communication
- Fault alarm, real-time monitoring
- Plug and play, quick installation
- Status indicator, easy to display working 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

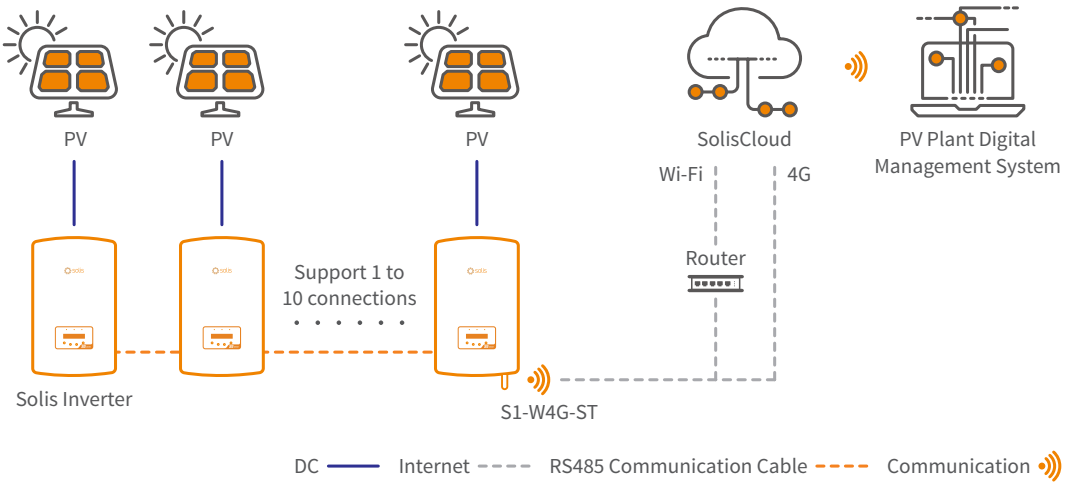


S1-W4G-ST (4 Pin)



S1-W4G-ST (USB)

Intelligent Monitoring Solution - S1-W4G-ST



DATASHEET

Models	S1-W4G-ST (4 Pin)	S1-W4G-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
Wireless communication	**Wi-Fi:** 802.11b/g/n, 2.412-2.484GHz ②; **Cellular network:** 4G/3G/2G, LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28, LTE-TDD: B38/B39/B40/B41, UMTS: B1/B2/B4/B5/B6/B8/B19, GSM: B2/B3/B5/B8	
Max. output power	**Wi-Fi:** 802.11b: 20dBm / 802.11g: 18dBm / 802.11n: 15dBm; **Cellular network:** LTE&WCDMA bands: 23dBm, GSM850/EGSM900: 33dBm, DCS1800/PCS1900: 30dBm, DCS1800/PCS1900(8-PSK): 26dBm, GSM850/EGSM900(8-PSK): 27dBm	
Near end communication	BLE4.2	
Configuration method	APP / WEB	
Electrical		
Operating voltage	DC 5 V (+ / -5%)	
Typical power consumption	3 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)	128 × 50 × 34 mm	113 × 50 × 34 mm
Installation method	Externally Insert + Twist Lock	Externally Insert + Tab Lock
Weight	80 g	65 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.