S3-Logger

Solis Data Loggers

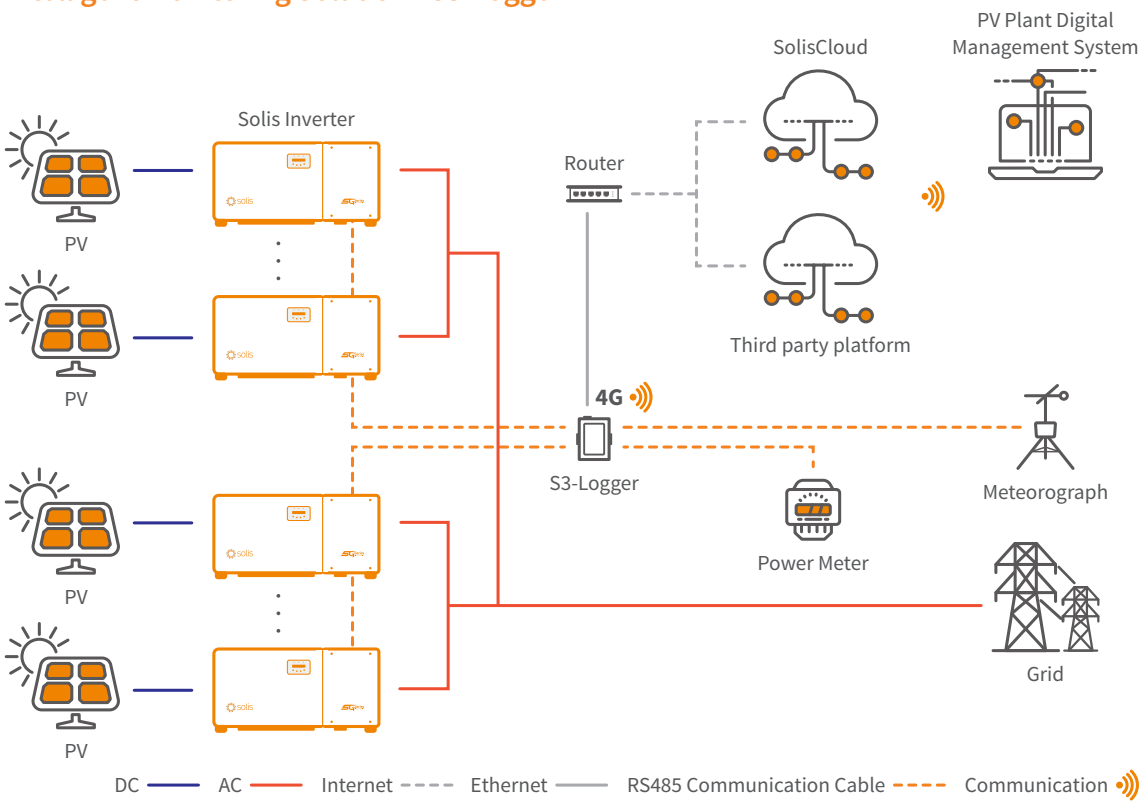
S3-Logger is a data acquisition and protocol conversion device applied to PV equipment in PV power plants, which can support access of meters, weather stations and other equipment.

Features:

- Support data connection to local monitoring system
- Support a variety of communication protocols
- One-key address allocation and EPM function
- Inverter remote upgrade
- Support electricity meters, weather stations and other equipment access
- FTP data transfer

S3-Logger

Intelligent Monitoring Solution - S3-Logger



DATASHEET S3-Logger

Models	S3-Logger	S3-Logger-EPM	S3-Logger-4G
Communication			
Supported device type	Solis inverter		
Number of connected inverters (1)	Each RS485 PORT ≤ 15		
Data collection intervals	5 minutes		
Status indicator	2 LED Indicator Lights		
RS485	COM × 4, 1200 ~ 19200 bps, communication distance ≤ 1000 m		
Ethernet communication	LAN × 1, 10 / 100 Mbps adaptive, communication distance ≤ 100 m		
Wireless communication	/		4G
Zero power output	/	Yes	
Communication Protocol			
RS485	Modbus-RTU, IEC60870-5-103, DLT645		
Ethernet	Modbus-TCP, IEC60870-5-104		
Electrical			
AC power supply	100 ~ 240 V, 50 Hz / 60 Hz		
DC power supply	9 ~ 36 V		
Operating power consumption	5 W @ 12 VDC		
Environment			
Operating ambient temperature range	-40 ~ +80°C		
Operating humidity	≤ 85%, relative humidity, Non-condensing		
Storage temperature	-40 ~ +80°C		
Max. operation altitude	4000 m		
Mechanical			
Dimensions (L × W × H)	89 × 121 × 27 mm		
Protection degree	IP20		
Installation method	Rail Mounting, Desktop installation		
Others			
Certification	CE, RoHS		

(1) Inverters must first be hand-in-hand connected by RS485.

Matching Instructions

Type	Manufacturer	Model		Connection method	Special note
Meteorograph	Jinzhou Sunshine	PC-4		RS485 connects to the P3 port on the S3-Logger	1. In addition to the above device models, the newly-matched models will continue to be updated; 2. If you need to match new meteorological or meter devices, please provide manuals, specifications, and communication protocols; 3. To match the new device, development time is about 2 weeks and the final delivery of the new firmware will be upgraded on site.
	Rainwise	PVmet-75	PVmet-200		
	SevenSolar	3S-IS V7			
	Ingenieurburo	Si-RS485TC-2T			
Meter	Acrel	DTSD1352	ADL3000-E-B	RS485 connects to the P4 port on the S3-Logger	
	Janitza	UMG-96RM	UMG-512		
	Mikro	RX380			
	MEATROL	EM231			
	Schneider	PM5100	iEM3000		
		iEM3255	EM6400		
	Iskra	MC774			