S3-Logger

Solis Data Loggers

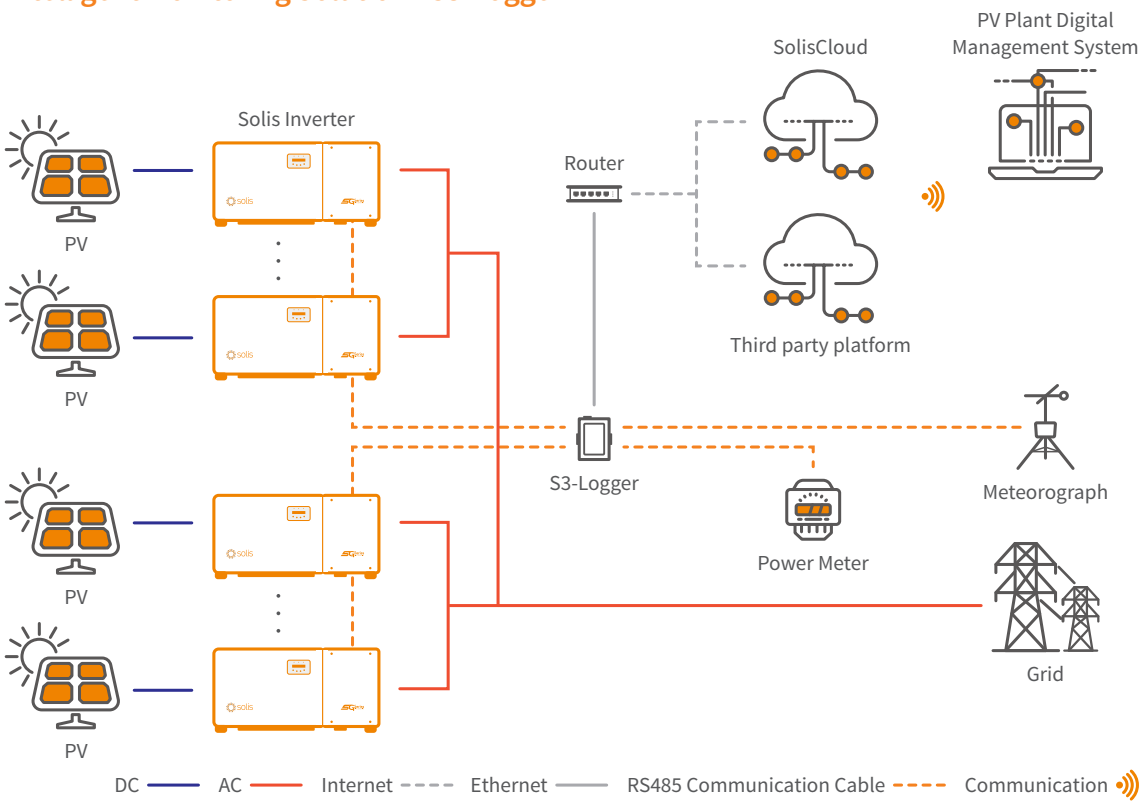
S3-Logger is a data acquisition and protocol conversion device applied to PV equipment in PV power plants, which can support access of meters, weather stations and other equipment.

Features:

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

S3-Logger

Intelligent Monitoring Solution - S3-Logger



DATASHEET S3-Logger

Models	S3-Logger
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, 10/100Mbps adaptive, communication distance ≤100 m
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@12VDC
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 connect to the P3 port on 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, communication protocols; 3. The match of the new equipment, the development time is about 2 weeks, and the final delivery of the new firmware will be upgraded on site.
	Rainwise	PVmet-75		
		PVmet-200		
Meter	Acrel	DTSD1352	RS485 connect to the P4 port on S3-Logger	
		ADL3000-E-B		
	Janitza	UMG-96RM		
		UMG-512		
	Mikro	RX380		