

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.

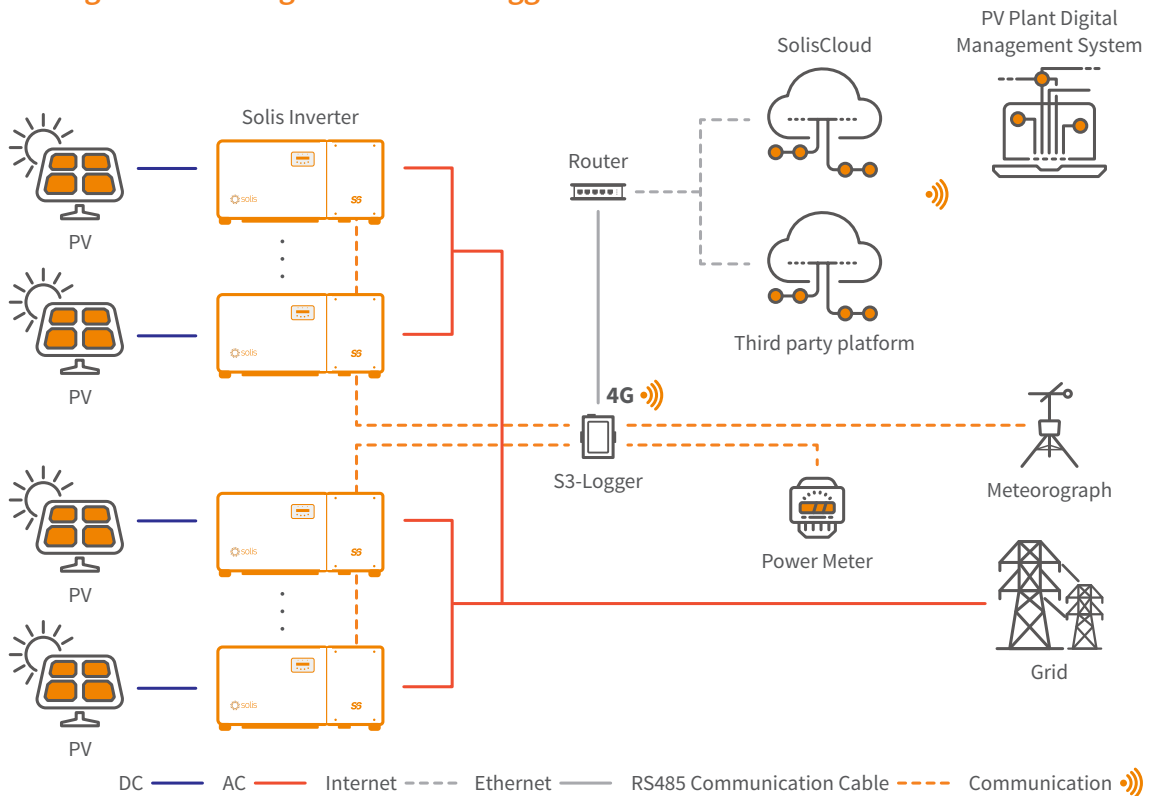
Features:

- 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-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 ~ 115200 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 | DTS1352 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 | | | |