

SCADA Data Logger



- Best suitable SCADA logger for Solar Power Plant.
- Interfaces- RTU, Weather station, DI/DO, AI, Work station, Server.

CE  **IEC Certifications**

SuryaLog

SuryaLog is one of the leading product family for solar monitoring, SCADA, Local & Remote monitoring, Centralize monitoring & Asset management, software feed-in management and IoT based solutions for solar power plants.

SuryaLog devices and solutions make a remarkable contribution to the successful integration of solar energy into an intelligent power and help to make a successful transition to clean energy. Our intelligent controlling systems maximize the consumption of self-produced green and renewable power

Unique Features

- ✓ Wireless data transmission possible for multiple ICR/Block.
- ✓ Compatible with multiple makes of Inverter, MFM, Sensors and Modbus Devices.
- ✓ Real time monitoring and alert system through mails and messages.
- ✓ Analog Input and Digital Input / output configurable.
- ✓ Remote setting, Auto update & remote update features available.
- ✓ Local and Remote Data Download with Reports.
- ✓ Local data storage and upload to portal in case of internet failure.
- ✓ Common options preconfigured, fully customizable for special needs.

India

Suryalogix Cluster, Floor No.1, Survey no. 14,
Near of Hotel Mohit , Dhadge Industrial Estate,
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Application

- Monitoring & controlling – Local and Remote SCADA
- SCADA - RTU communication – Wireless, OFC, RS-485, PLCC
- Grid, substations and transformer level monitoring
- Real time monitoring & alerts through e-mails and messages
- Auto update & remote update features available
- RTU Panel as per extended I/O's and AI
- Local Server, OPC Integration and PPC (Optional)
- SLDC communication possible.

3. Specifications

Specifications	SCADA Logger
Digital I/O	Up to 28 DI/DO
RS-485 Ports	2 No's
RS-485 port Extension (Optional)	Up to 6 No's
Analog Input	4 No's
Ethernet	1 No's
USB	1 No's
Reset switch, LED, Power Supply, RTC, GSM, Local Monitoring, Remote Monitoring	Yes
Number of Inverters	Up to 20
Number of energy meters	Up to 8
Dimensions(L*W*H) & Weight	157mm*120mm*54 mm & 570 Grams
Internal Storage On chip	Up to 16 GB
Local Data Storage (SSD)	110 GB/500 GB/1 TB
Local Monitoring With SCADA	Yes
FTP Compatibilty	Yes (Upto 4 Server)
MQTT Compatibility	Yes
Third Party Data Transmission Local (SCADA)	Through TCP/IP

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Other Technical Details

Technical Points		Description
Data uploading frequency (Selectable)		5min (default), 1/5/10/15/30 min.
Power Supply (SMPS)	Input	110-260 VAC, 50/60 Hz
	Output	External plug- 10 to 28 VDC/2A
Ambient Temperature		-20°C to +60°C
Operating Temperature		-20°C to +70°C
Storage Temperature		-20°C to +70°C
Relative air humidity		5%-100%, non-condensing
Protocols		FTP,HTTP,HTTPS,TCP-IP/RTU-Modbus
Protection mode (Ingress protection), installation type		IP-32, Indoor-Din rail /wall mount

Port Specifications and Applications

Ports & Interfaces	Specifications	Applications
RS485-1,2	Baud rate: 4800,9600,19200 Parity: Odd, Even, None ID: 1- 255	All Modbus Device
Digital I/O	Sink 10mA / Source 1Amps	Potential Free Signal
Ethernet	100Mbps	For LAN and Internet
GSM/GPRS	4G SIM (Default)	Remote Cloud Interface
Wifi	(Optional)	Remote Cloud Interface
USB	USB 2.0	Pen drive extension and other
LED	3mm dual color	HB, Status, GSM
RF Antenna	Range: 500 Meters	Wireless Connectivity
Analog Input	Range: 4-20mA, Resolution 0.01uA, Accuracy >98%	Analog input signals

Certifications

Test Type	Test Standards
ESD	IEC 61326-1
EFT/B	IEC 61326-1
EFT/B (on signal/control/port)	IEC 61326-1
Surge	IEC 61326-1
Cold test	IEC 60068-2-1
Environmental testing	IEC 60068-2-2
Shock testing	IEC 60068-2-6
Change of temperature	IEC 60068-2-14
Vibration testing	IEC 60068-2-27
Damp heat cyclic	IEC 60068-2-30
EMI/EMC	IEC 61326-1, IEC 61000-6-4, IEC 61000-4-3

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