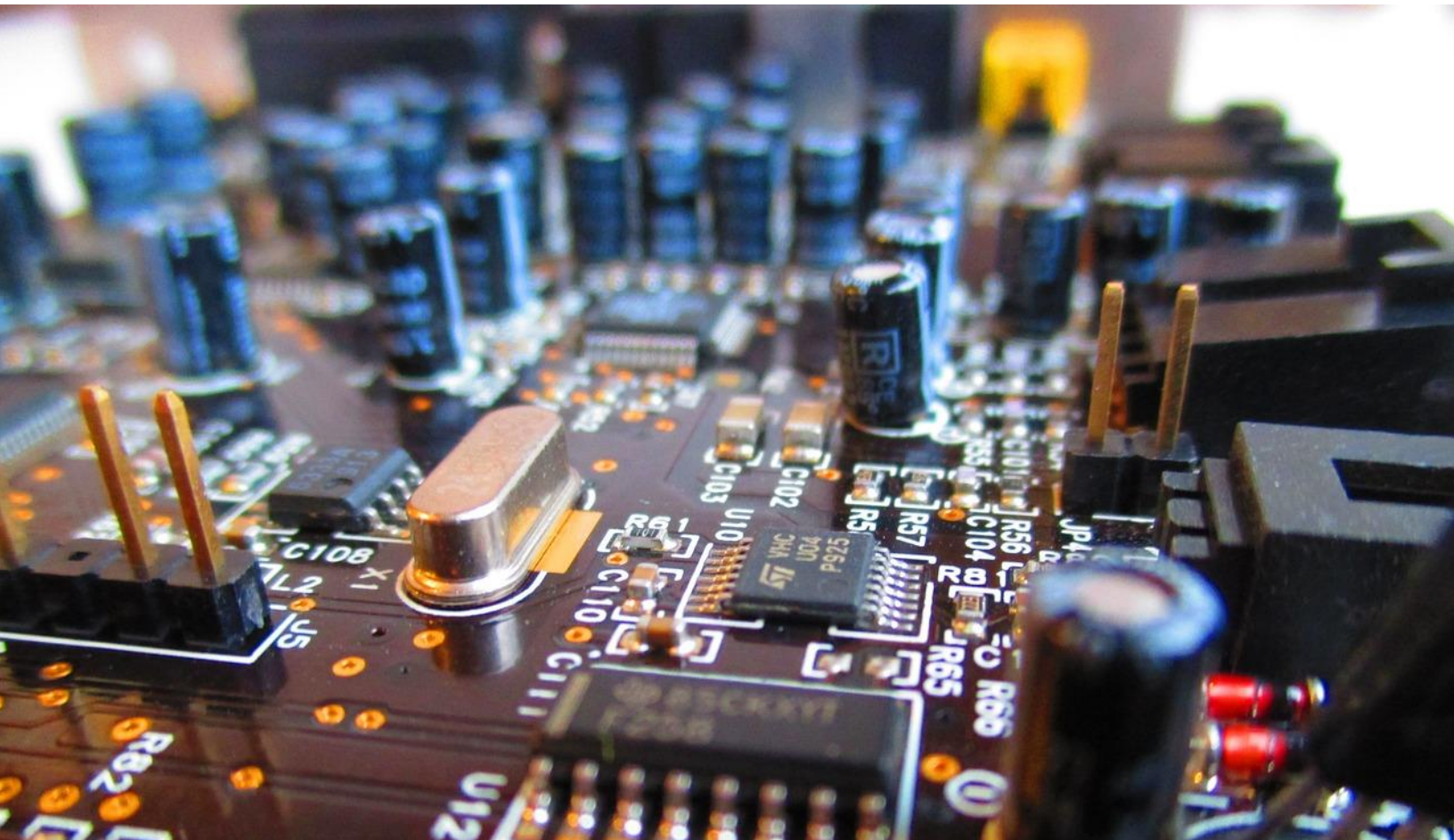




Solar PV Monitoring & Analytics

DATASHEET – DATALOGGER

TRACKSO ADVANCED LAN-WE-60M



A product of Free Spirits **Green Labs**

A RENEWABLE ENERGY COMPANY

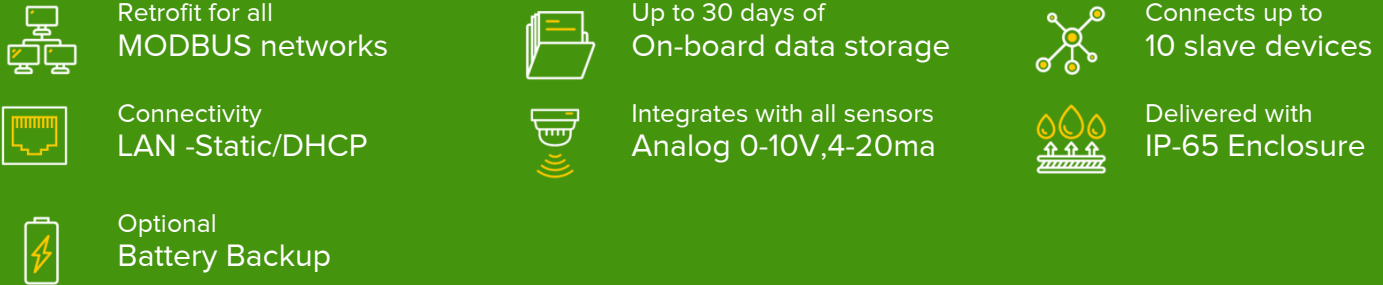
www.trackso.in



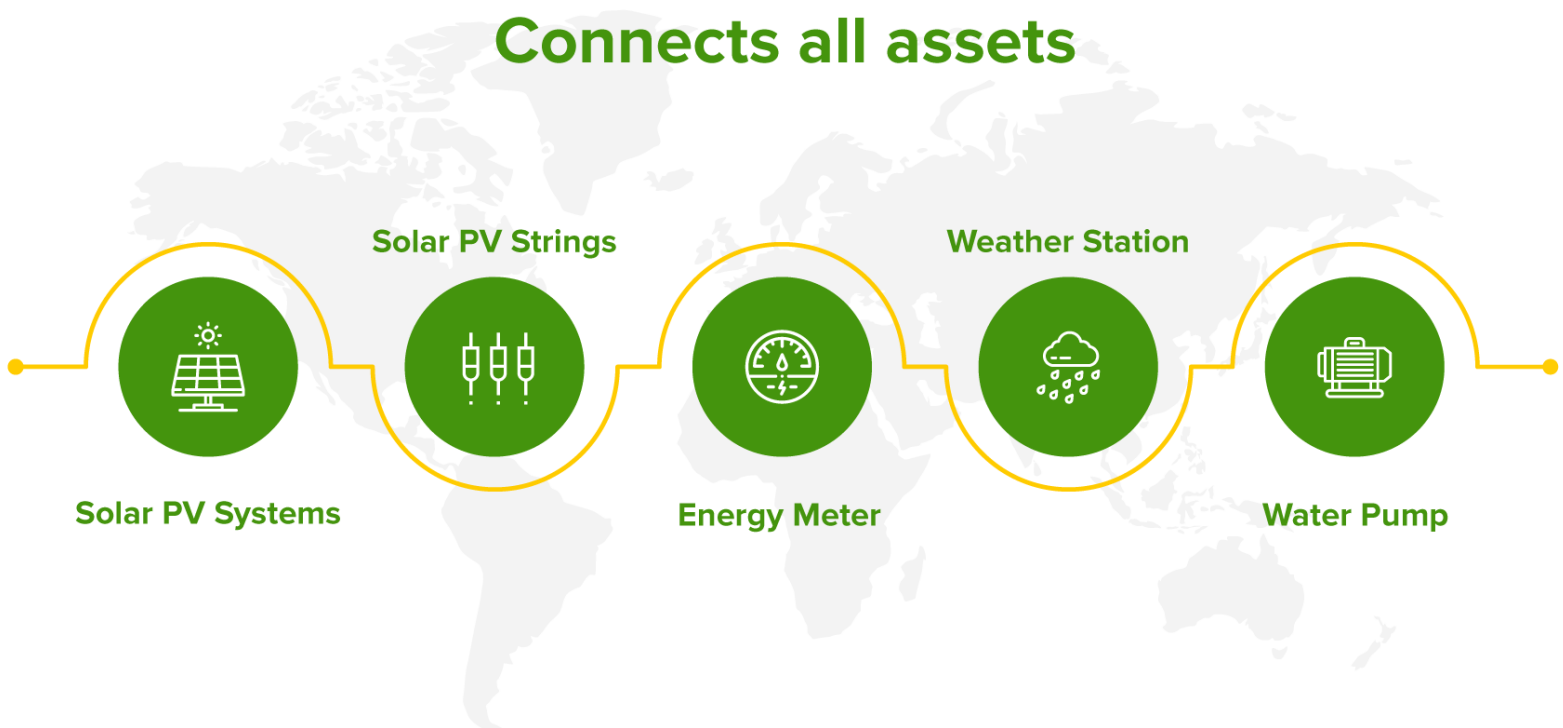
Smart IoT Data Loggers

TrackSo IoT data loggers are India's leading smart plug 'n' play gateways which can be connected with more than 100 brands of solar PV inverters, energy meters, weather monitoring stations, variable frequency drives [VFDs], string monitoring systems and all analog, digital and MODBUS enabled sensors.

- Easy to install, economical to maintain and upgrade.
- Support all major brands of inverter with Modbus RTU RS-485.
- Possible to connect different brands of inverters within a single plant.
- Stores all data to the on-board memory during internet unavailability.
- LED Indicators to identify the power, signal, Modbus connection status.
- Very low consumption of data on mobile networks



Connects all assets



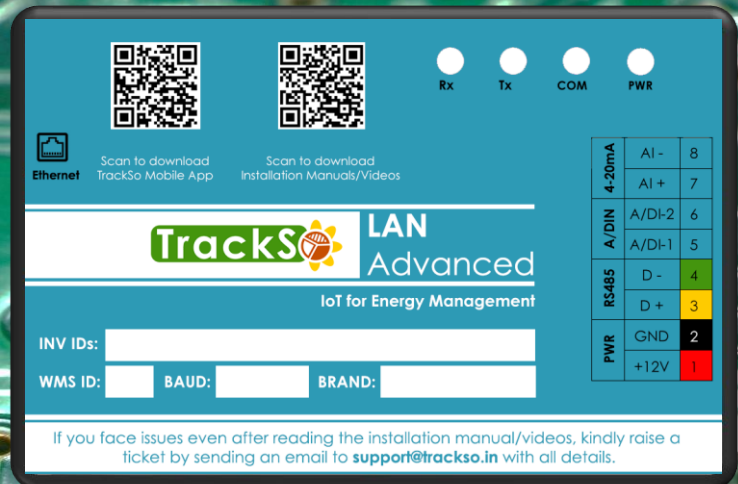
Specifications

Category	Component	Details
System	CPU	ARM Cortex
	SRAM	32 Kbytes
	Flash Memory	256 Kbytes
	Data Log Flash Memory	64MB (17,000 Offline Records)
	WDT (watchdog)	Yes
Modem	Interface	RJ45 Ethernet 10BASE-T or 100BASE-TX (Auto)
	Speed	10/100 Ethernet Half/ Full Duplex (Auto negotiating)
Serial ports	RS232 Utility port	RS-232: TxD, RxD, GND used for device configuration and debug
	RS485	1 x RS-485 used for communication with slave device
	Slaves	Upto 8
	Baud Rate	Supports: 2400, 4800, 9600, 19200, 38400, 57600, 115200
I/O Port (Optional)	Analog Inputs	2 x Voltage Measurement (DC): 0-10 V 1 x Current Measurement (DC): 4 -20 mA
Power	Operating Voltage	12VDC to 24VDC
Mechanical	Casing	Plastic Casing
	Degree of Protection	IP 20 (Indoor)
	Dimensions (W x L x H)	85mm x 100mm x 30mm
	Installation	Wall Mounting
Environmental	Operating Temperature	-25 °C to +55 °C
	Ambient Relative Humidity	5 ~ 95% RH, non-condensing

Note:

1. UPS Power Supply for the Device is required.
2. To be installed indoors or in an IP65 Enclosure for Outdoor Installation

ADVANCED LAN



Pin Diagram

	Pin	Name	Description
Inputs	8	Ai-	4-20ma Analog Current Input -
	7	Ai+	4-20ma Analog Current Input +
	6	AD2	Analog Voltage Input 0-10V / Digital Input 2
	5	AD1	Analog Voltage Input 0-10V / Digital Input 1
RS485	4	D-	RS485 - / Data-
	3	D+	RS485+ / Data+
PWR	2	GND	Ground Pin
	1	+12V	DC IN - Input voltage: 12V~24V/1A.

LED Patterns

LED	NAME	DESCRIPTION	
GREEN	POWER	Light when device is powered ON	
RED	COM	LED Status	
		Connection State	
		Flashing (ON for 100ms and OFF for 100ms)	LAN Network not found
		Flashing (ON for 500ms and OFF for 500ms)	Searching for LAN Network
		Flashing (ON for 0.1s and OFF for 2.9s) Once at every 3sec	Registered on LAN Network
		Flashing twice at every 3sec	LAN IP Connected
		Flashing 5times	LAN IP Sending data
		LED OFF	LAN Fault
GREEN	COM TX	Blink on data transmission in RS485 port	
YELLOW	COM RX	Blink on data reception in RS485 port	

FREE SPIRITS GREEN LABS PVT. LTD.

Sales: sales@trackso.in , Support: support@trackso.in

7000+

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Monitoring Sites

