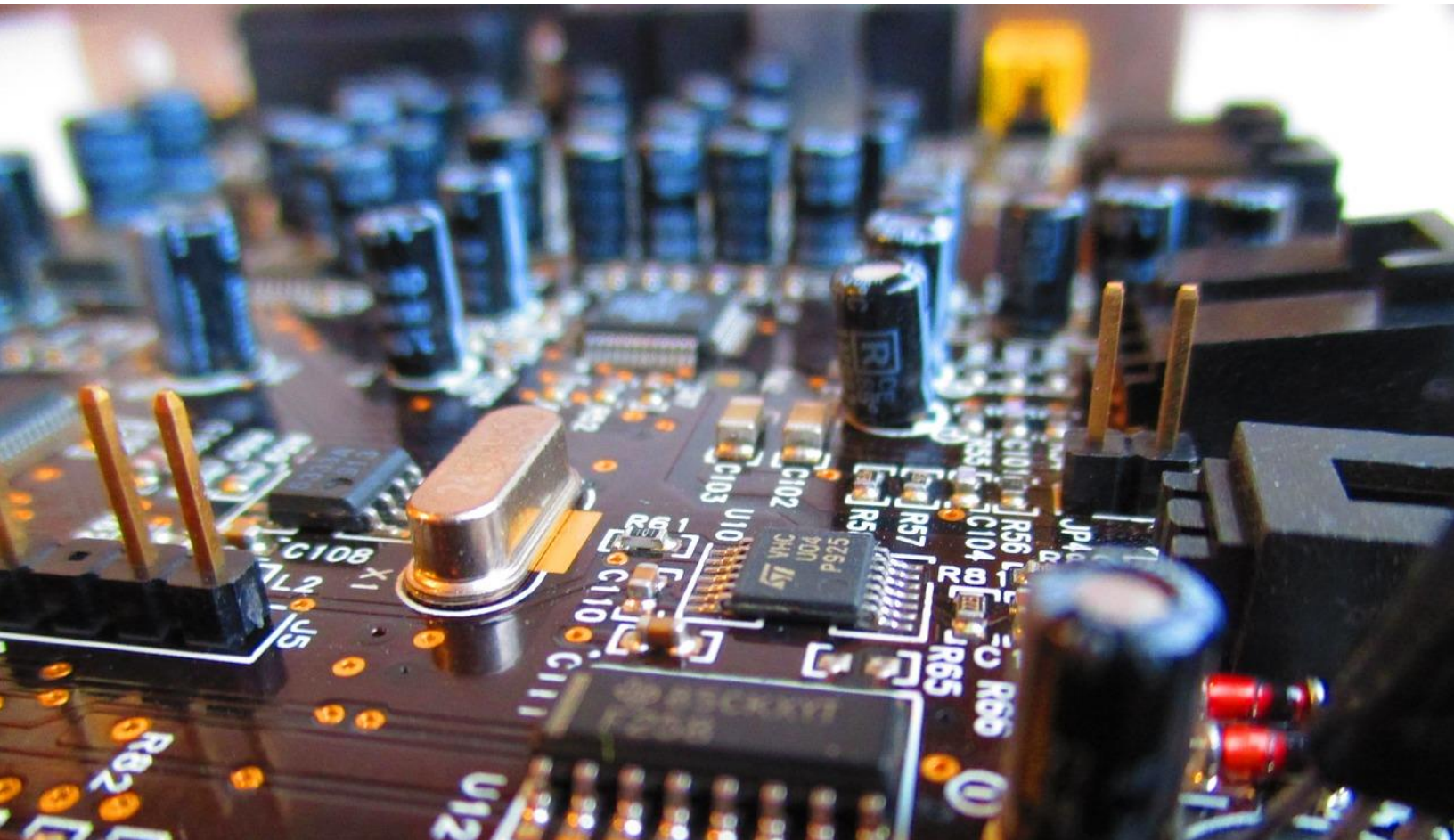




Solar PV Monitoring & Analytics

DATASHEET & MANUAL

TRACKSO LORA ↔ MODBUS RS485 CONVERTER



A product of Free Spirits **Green Labs**
A RENEWABLE ENERGY COMPANY
www.trackso.in



Eliminate wired RS485 by replacing them with wireless communication solution based on 2 no.s of RS485 to LoRA Converter

Advantages:

- Reduce wiring implementation cost & time
- Quick and easy to install
- Support Modbus RTU via RS-485
- Easy installation: No communication cables for installation on the ground
- Simpler to maintain and upgrade
- Range: up to 1km in line-of-sight.

Features

- Adopt LoRa point-to-point protocol.
- Support fixed-point transmitting mode.
- Data encryption transmission
- Adjustable RF output power
- Configurable channels and addressing

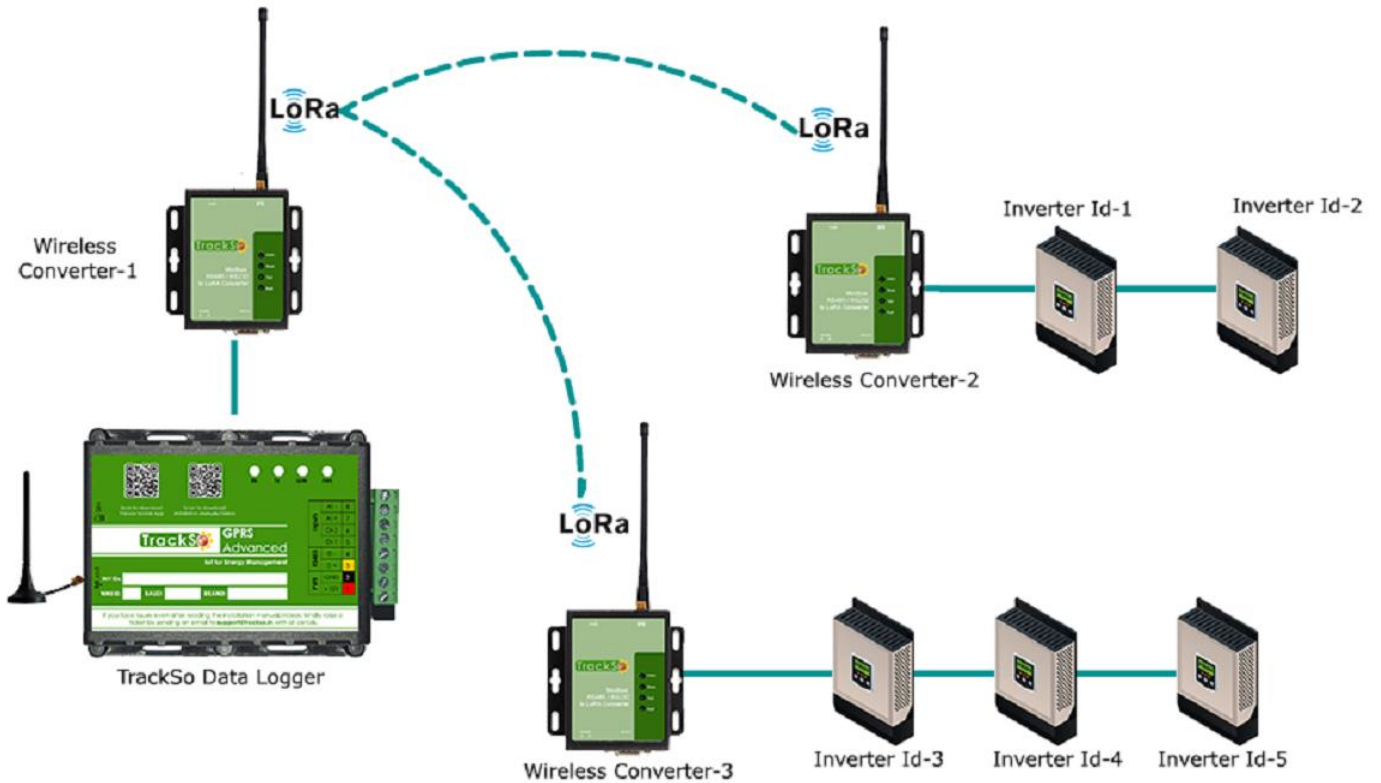


Lora converter to be installed in an IP65 Enclosure

Specification

Parameter		Details
Wireless Parameter	Frequency band	803~930MHz
	Transmitting power	10dBm~20dBm
	Transmission distance	1 KM
Other Parameters	Data interface: Serial port	Support RS232/RS485
	Baud Rate	Supports: 2400, 4800, 9600, 19200, 38400, 57600, 115200
	Operating Voltage	9 V DC to 24 V DC
	Casing	Plastic Casing
	Degree of Protection	IP 20 (Indoor)
	Dimensions (W x L x H)	90 mm x 100mm x 25 mm
	Installation	Wall Mounting
	Operating Temperature	-25 °C to +55 °C
Ambient Relative Humidity	10~ 90% RH, non-condensing	

Sample Diagram



FREE SPIRITS GREEN LABS PVT. LTD.

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

7500+

UNITS MONITORED Inverters, Sensors, Meters, Water Pumps

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Monitoring Sites

