

# SunSights Data Logger

Facilitating a Sustainable Framework for different Inverter variants



## 200+ Inverters supported by SunSights Data Logger

The SunSights Data Logger has been evolved into a series of models, catering to varied customer requirements.

- **SunSights Data Logger 1**  
(RS485, RS232, and Cellular functionality)
- **SunSights Data Logger 2**  
(Multiple Interfaces: RS232, RS485, Ethernet, I2C, Cellular)

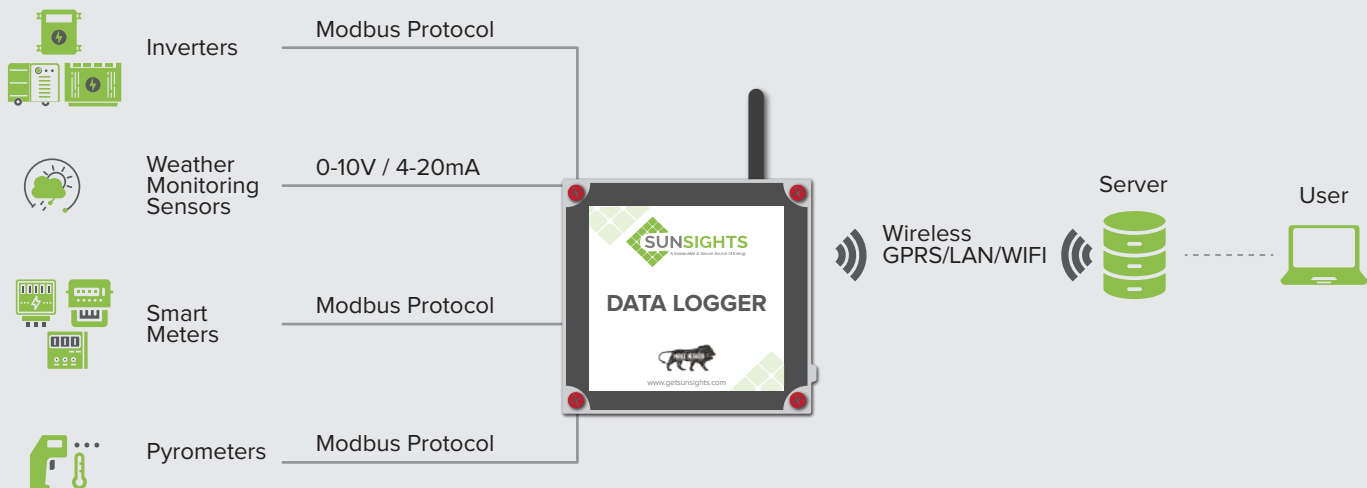
## Supported Inverters

- Waaree
- Solis
- Sofar
- Goodwe
- kSolar
- ABB String
- ABB Central
- Delta
- Exide Technologies Solar, etc.

## Listed Functions/Benefits

- Supports Inverters having both, Modbus Data Logger and TCP
- Stores data even when the system is off
- Provides a user-friendly configuration
- Real-time data transmission through GPRS and 4G-LTE
- Triggers real-time alarms for quicker solutions
- Connects different inverters with a single device
- Indicators to identify signal strength, server & device connection

# A comprehensive block diagram showing how a SunSights Data Logger works



## Technical Specifications



### Communication

Serial: 1 X RS232, 1 X RS485, 1 X I2C  
Ethernet: 1 X IEEE 802.3 10/100M/1Gbps

Cellular: GPRS/EDGE, 4G-LTE  
GPS: Optional



### System

Processor: ARM CortexTM A7  
Internal Flash Storage: 512MB

External Storage (RAM): 256MB  
Additional Storage: Up to 32GB MicroSD Card



### I/O Interface

Analog Input: 2 Channels 0-10V/4-20mA    Digital Output: Isolated 2 Channels  
General Purpose I/O (Optional): 6 Channels, 3.3VDC



### Mechanical

LEDs: 3 X Status LEDs    Size (L X W X H in mm): 180 X 180 X 100  
Weight: 800 gm  
Casing: ABS, Rail Mount, and Wall Mount, Designed as per DIN43 880 (MCB Type)



### Electrical

Temperature Range: -40 to +85 °C    Power Supply: 100-240V VAC @0.35A (50-60Hz)  
Supported Battery Supply (Optional): 3.7/4.2V, 2000mAH

\* Data Logger is available in different variants and can be customized as per the client's requirements



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