Selar Solution
BY SAIJAI TECH

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Selar

Efficient Solar Rooftop System and Platform with IoT Devices.

Selar is a solar rooftop system developed using IoT devices and a software platform to monitor and display the performance of the solar cell system.

Key Features

Efficiency
Solar panels with advanced convert sunlight into electricity with maximum efficiency, ensuring optimal energy generation.

Customization and flexibility
Panels and systems can be customized to fit various roof sizes and orientations, accommodating different energy needs and architectural constraints.

Easy to use
Has a clear information show on display screen and status lights.

Strong and durable
It is an aluminum enclosure with a lid and roof, dustproof, waterproof, and unbreakable.

Easy installation and compatibility
Designed for straightforward setup with user-friendly mounting systems, reducing installation time and labor costs.

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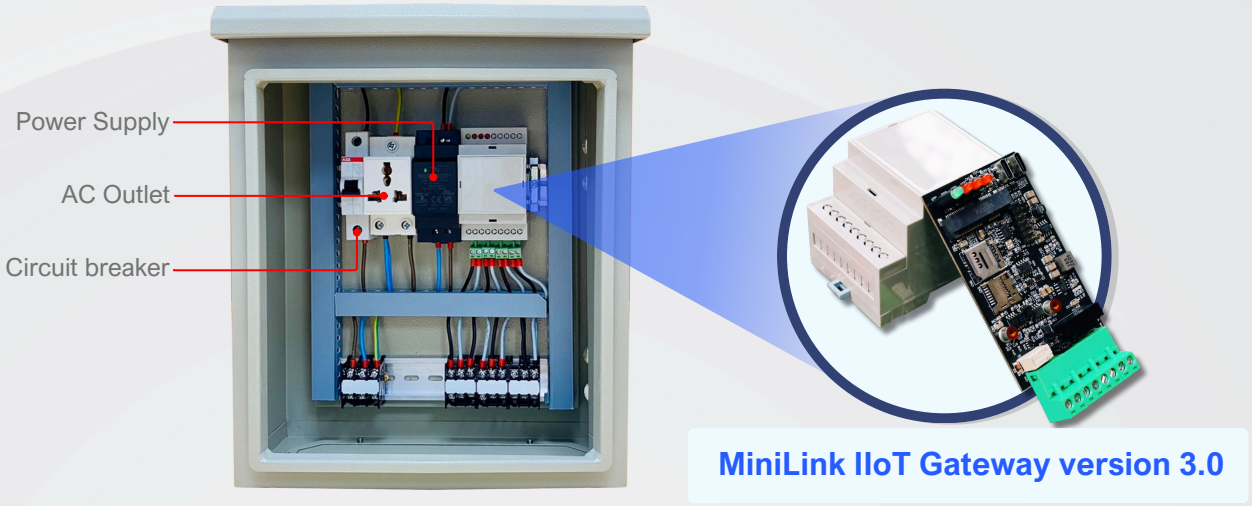
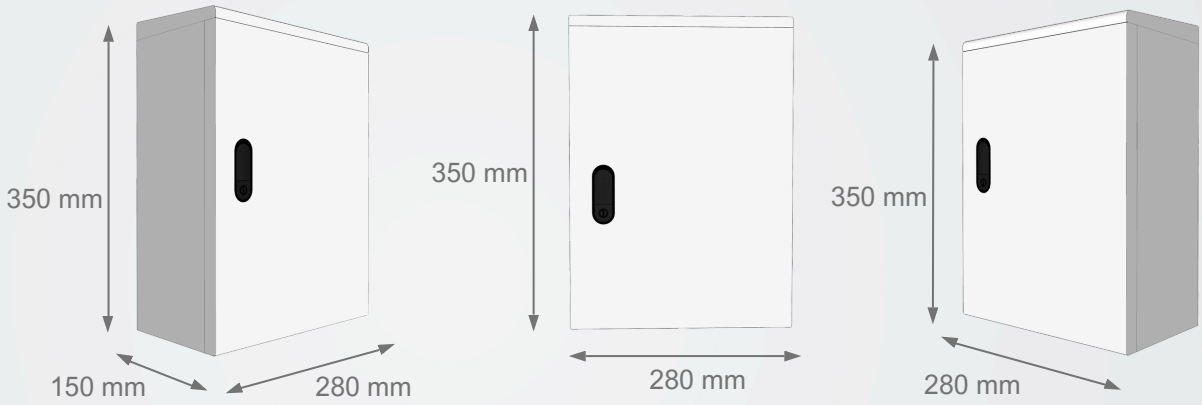
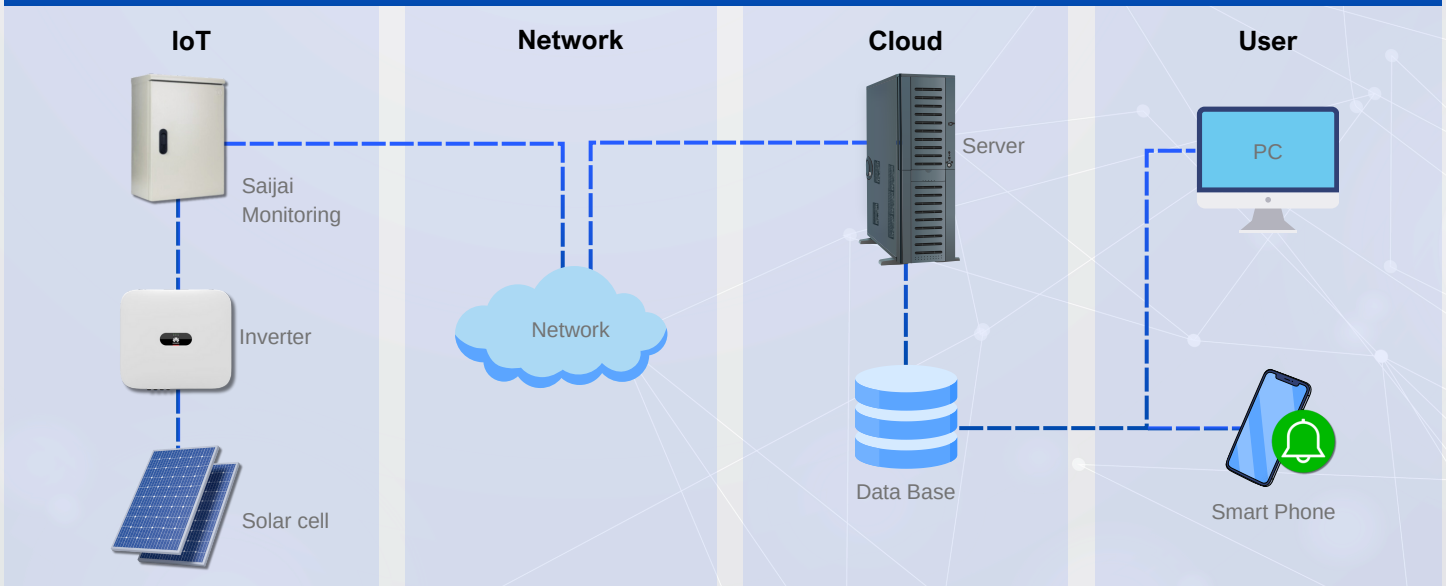
Overview





IoT Network Diagram for Software Monitoring



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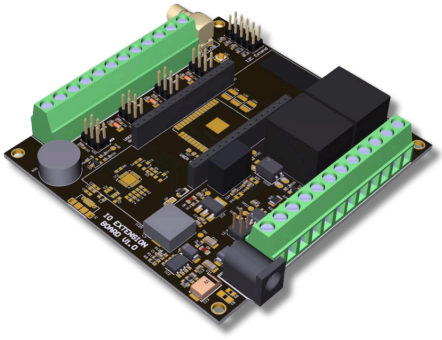
Product Description

MCU	ARM Cortex-M 32- bit RISC ARM Processor cores
Interface port	RS485 or RS232 isolation with auto-direction (Software mode selection) Rs485 or I2C with auto-direction
WiFi	802.11 b/g/n with a speed of 54 megabits per second when connected via 802.11g
Indicator lamp	Includes 2 status indicator LEDs
Memory	512 kilobytes
USB type C port	Program Upload
Case	Aluminium
Clock speed	240 MHz
Bluetooth	Bluetooth 4.0
User switch	1 button
IoT size box	H: 350 x W: 280 x D: 150 mm
Weight	5 kg

Supports expansion boards

LoRaWAN Network Server

Supports expansion boards for low-power long-range communication modules operating at 920 - 925 MHz (LoRaWAN)



NB-IoT extension

Supports expansion boards with Narrowband Internet of Things (NB-IoT) communication modules