



PRODUCT OVERVIEW

The Wi-Fi Plug Pro-22 wireless accessory product is used to extend the Wi-Fi wireless network data transmission channel of the device. It is fixed on the device through a four-pin aviation interface (RS-485), has an IP65 protection level, and is easy to install, strong anti interference ability, no need to configure additional power supply and other advantages; and supports remote control, remote debugging, remote upgrade and other functions of the device. Access to the cloud server with the help of a router, to provide users with a complete remote, low-cost and visual monitoring solution.

FEATURES

- EASY TO USE – Power up first, second is networking, third is registration.
- SIMPLE CONFIGURATION – Proximal setting (APP), remote setting.
- STABILITY MECHANISM – Heartbeat detection, networking retry, automatic repair for device disconnection.
- FLEXIBLE – Remote and local: with APP, remote and local monitoring can be achieved simultaneously.
- WATERPROOF OUTDOOR – IP65 protection, suitable for outdoor environment.
- PROTOCOL ADAPTATION – Supports a variety of communications protocols; automatic recognition and switching.

APPLICATIONS

- Off-grid PV systems.
- Residential PV systems.
- Commercial/industrial PV systems.

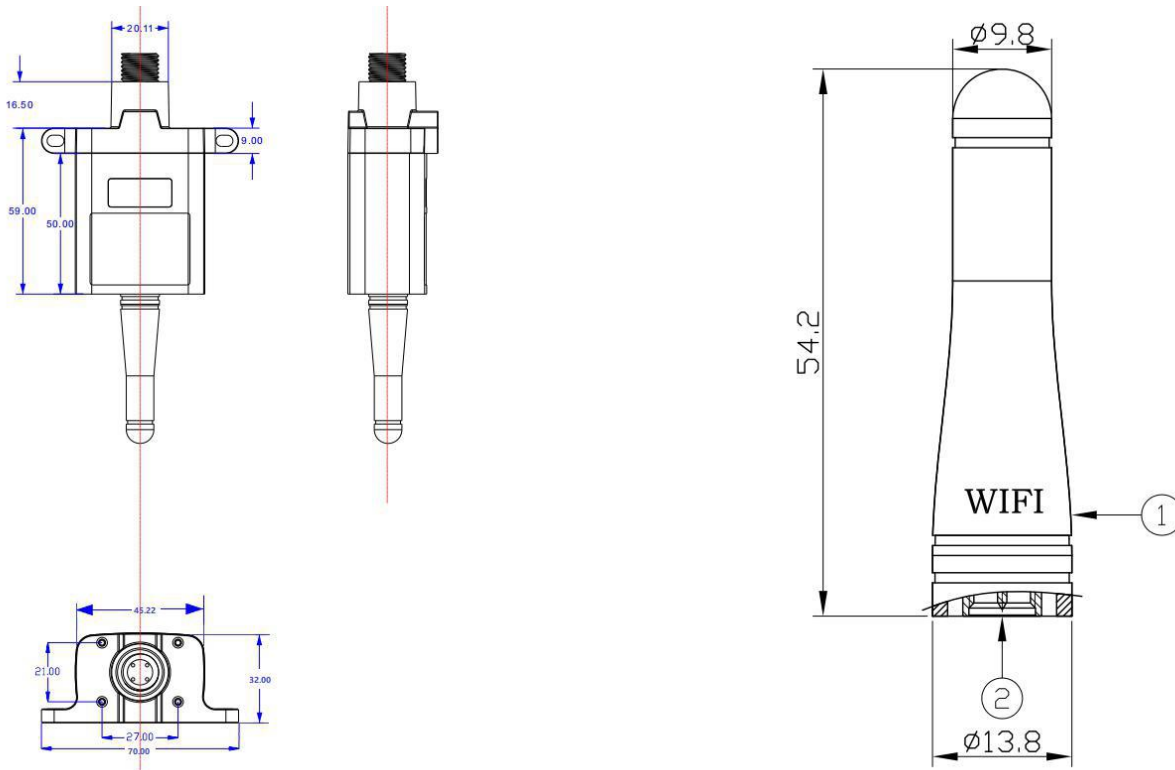
Product Description

| PART# | DESCRIPTION | DATA INPUT MODE | DATA OUTPUT MODE | FREQUENCY |
|------------|--------------|-----------------|------------------|-----------|
| EV-MS-W-09 | WI-FI Module | RS-485 | WI-FI | 2.4GHz |

Specifications

| MODEL# | EV-MS-W-09 |
|-----------------------------------|--|
| Dimensions | 70*27*137mm |
| Weight | 66g |
| Protection Class | IP65 |
| Rated Voltage | DC5V~12V |
| Maximum Current | 800mA (DC5V) |
| Operating Temperature | -30°C ~ +85°C |
| Storage Temperature | -40°C ~ +90°C |
| EXTERNAL INTERFACE | |
| Docking Mode | HKJ (Aviation joint) |
| Indicator Lamp | Indicator light: power supply, equipment, router, server, always on normal, off abnormal |
| HARDWARE | |
| Data Input Mode | RE-485 |
| Data Output Mode | WI-FI |
| RS-485 Baud Rate | 9600bps (default) |
| Hardware Monitor | Support |
| WI-FI | |
| Working Frequency | 2.4GHz |
| WLAN Standard | 802.11b/g/n |
| Antenna Gain | 2.5dBi |
| Antenna | External |
| Data Rate | 11Mbps@11b, 54Mbps@11g, 72Mbps@11n |
| Hardware Encryption | WEP, WPA/WPA2 |
| Signal Range | 100M (open environment) |
| Operating Mode | AP+ STA (Coexistence pattern) |
| SOFTWARE | |
| Supported Device Protocols | Modbus-RTU (main current), Non Modbus-RTU |
| Supported Network Layer Protocols | Modbus-TCP |
| Software Monitoring | Support |
| Data Upload Cycle | 5min (default) |
| Parameter Configuration Mode | APP or built-in server |
| Number of Clients in AP Mode | 1 (preemptive) |
| Cloud Platform | Beyond Value Clouds |
| GENERAL | |
| Number of Connected Devices | 1 |
| Warranty | 2 years |
| Certification | CE, ROHS |

Dimensions



Connector Wiring Diagram

