※ Thanks for selecting the EPEVER WiFi M1 module, please read this manual carefully before using the product.

※ Do not use this product in flammable, explosive, dust accumulative, or other severe environments.

WiFi Module

EPWiFi M1

1 Overview

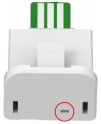
EPWiFi M1 is a new WiFi module suitable for EPEVER solar controllers, inverters, and inverters/chargers. It enables data acquisition, communication, and wireless monitoring for a variety of devices.

Features

- Supports communication via mobile APP
- Operates in both offline monitoring and cloud-connected modes via Wi-Fi
- Plug-and-play design for easy and convenient operation
- Ensures fast communication and strong interference resistance
- Powered directly through the communication port (no external power required)
- Up to 20 meters of communication distance

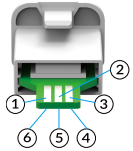
2 Appearance

Indicator instruction



Indicator	Instruction
Flashing green (1s on, 1s off)	Powered on; WiFi module not connected to any device and not configured for network access.
Solid green	1. Remote control mode: WiFi module connected to router. 2. Local connection mode: APP connected to WiFi module's hotspot.
Fast flashing green (100ms)	WiFi module communicating normally with the device.
Slow flashing green (1s on, 3s off)	Remote monitoring mode: WiFi module connected to server.

Pin definition



Pin	Definition	Pin	Definition
1, 6	GND	3, 4	5V
2	TX	5	RX

Note: Pins 4, 5, and 6 are on the back of pins 3, 2, and 1.

3 System Connection

The EPWiFi M1 module plugs directly into compatible devices' communication ports without a communication cable. For devices with other communication ports, a supporting communication cable or adapter is needed to purchase. Please refer to the accessories list of corresponding devices for specific model.



4 Specifications

Model	EPEVER WiFi M1
Operating Voltage	5V ± 0.5V (Powered by connecting finger socket)
Power Consumption	Average: 5V@0.3mA; Peak: 5V@150mA
Serial Port Baud Rate	115,200bps, 8N1
Communication Method	RS485
Connection Port	Connecting finger
Operating Frequency	2.4-2.4835GHz
Dimensions (L × W × H)	39.6mm × 24.2mm × 17.9mm
Operating Temperature	-40℃ to 85℃
Net Weight	6.2g

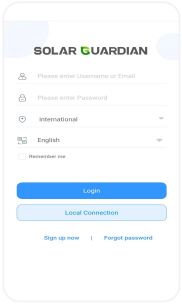
5 APP Operation

1. Download APP

iOS

Google Play

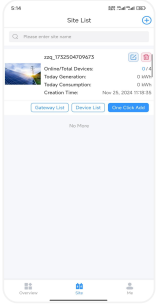
2. Local connection



After downloading, tap "Sign up Now" to create an account. Once registered, log in to the system. You may select "Mainland China" or "International" for region, and "Simplified Chinese" or "English" for language.

Note: Connect the EPWiFi M1 to the device and login the APP to monitor the real-time status or modify the parameters

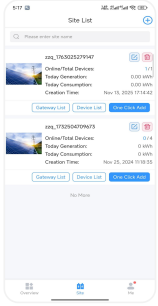
3. Add device



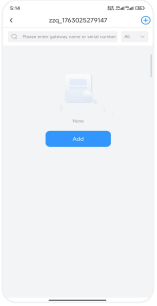
Step 1: After logging in, enter “Site” interface on the bottom bar, click “Add” or ⊕ icon to enter “Add New Site” interface.



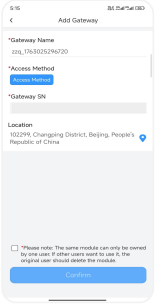
Step 2: Fill in the site name (or use the default name); and click "Save". It will return to the Site interface in Step 1.



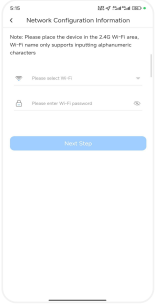
Step 3: Click the “Gateway list” button in the “Site List” interface to add a new gateway and device.



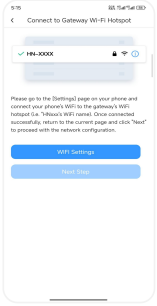
Step 4: Click “Add” or ⊕ icon to add a gateway.



Step 5: Enter “Add Gateway ” interface, fill in the “Gateway Name” (or use default name), click “Access Method” to enter select “Built in WiFi” and input gateway SN.



Step 6: Enter your local WiFi account and password and click "Next"



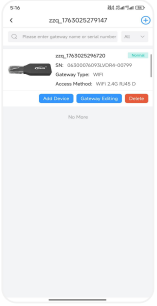
Step 7: Click “WiFi Settings” to connect your phone to the gateway WiFi



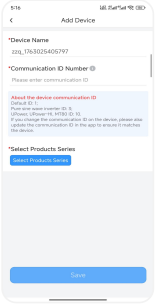
Step 8: Navigate to the phone's WLAN settings, connect to the gateway-named network (default password: 12345678), then return to the previous screen and tap “Next”.



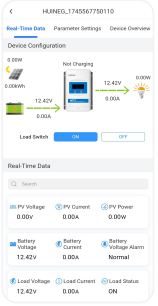
Step 9: Tap Network Switch to automatically disconnect the gateway WiFi, then select “Finish”.



Step 10: Tap “Add Device” on the gateway list page to enter the device configuration interface.



Step 11: Fill in the “Device Name” and “Communication ID Number”, click “Select Products Series” to choose the device model, and save the settings.



Step 12: The device is now successfully connected, enabling real-time status monitoring and parameter configuration via the app.

Any changes without prior notice! Version number: V1.0