

※ Thanks for selecting the EPEVER WiFi 2.4G RJ45 D adapter; please read this manual carefully before using the product.

※ Do not install the product in humid, salt spray, corrosion, greasy, flammable, explosive, dust accumulative, or other severe environments.

## WiFi Adapter

### EPEVER WiFi 2.4G RJ45 D

#### 1. Overview

Through a local 2.4G WiFi network, the EPEVER WiFi 2.4G RJ45 D can transmit all operational data from the EPEVER solar controller, inverter, or inverter/charger to the EPEVER cloud server in real time. Users can remotely monitor the connected devices and program parameters via the EPEVER server platform and mobile APP.

##### Features

- Applicable to EPEVER controllers, inverters, or inverter/charger with RJ45 port
- Use immediately after connecting; easy and convenient operation
- Directly powered by the communication port
- Up to 20 meters of communication distance
- Support the Local monitoring and "EPEVER Cloud" working mode.

#### 2. Appearance



① **RJ45 connector:** Connect to the RJ45 port of the controller, inverter, or inverter/charger. RJ45 Pin Definition:



Pin	Definition	Pin	Definition
1	+5VDC	5	RS485-A
2	+5VDC	6	RS485-A
3	RS485-B	7	GND
4	RS485-B	8	GND

#### 3. Specifications

Parameter	Model	EPEVER WiFi 2.4G RJ45 D
Working voltage		5V± 0.5V(Powered by RS485 com. port)
Power consumption		Peak emission: 150mA; Idle: 310uA
Enclosure		IP30
Communication method		RS485
Communication parameters		115200Bps, 8N1
Interface standard		EPEVER communication standard V1-1.0
Work frequency		2.4 ~ 2.4835GHz
Work temperature range		-40°C~ 85°C
Dimension		63mm x 19mm x 10mm
Net weight		7.7g

**Note:** The WiFi adapter working voltage is 4.5V~5.5V and peak emission is 150mA, which is only suitable for devices that meet this requirement.

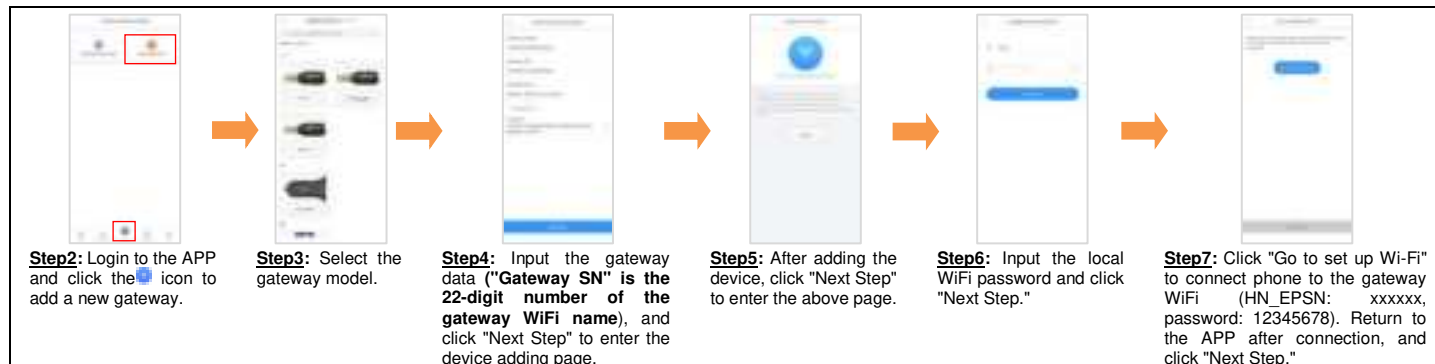
#### 4. Working processes



① Connect the WiFi adapter to the RJ45 port of the EPEVER device. ② Add the WiFi adapter into the EPEVER cloud by the PC or mobile APP. **WARNING:** The WiFi adapter is not available to the LS-B series. Suppose the WiFi adapter is installed in a metal-confined space. In that case, the signal transmission will be influenced, depending on the material and tightness of the metal-confined space.

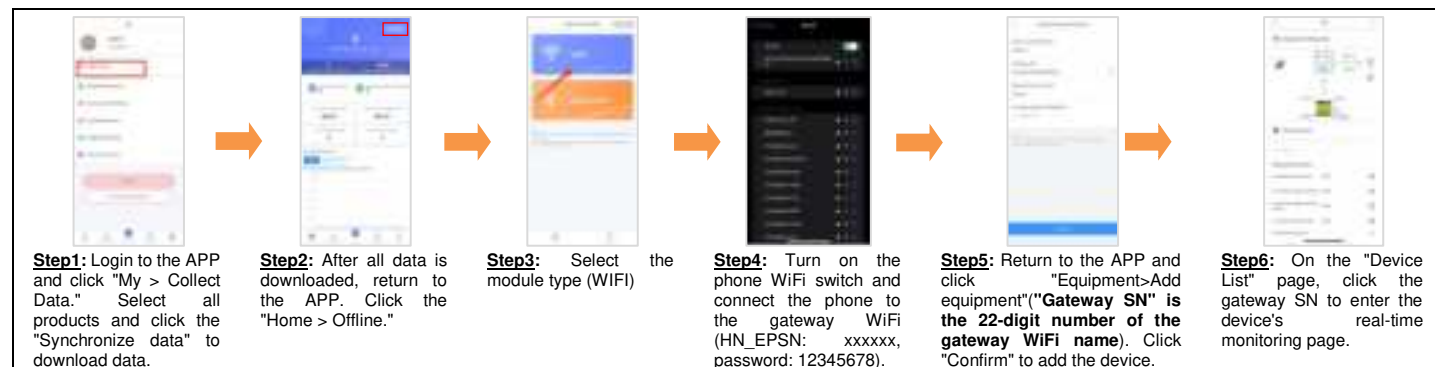
✧ **Scenario 1: There is a local 2.4G WiFi network.** The WiFi adapter can upload the collected data to the EPEVER cloud automatically.

**Step1:** Turn on the WiFi switch on the mobile phone, and connect to the local WiFi network (a **2.4G WiFi network is a must**).



**Step8:** After the gateway is successfully connected, connect the phone to local WiFi or 4G that can access the Internet. Then you can monitor the device through the APP.

✧ **Scenario 2: There is no local 2.4G WiFi network.** The WiFi adapter cannot upload the collected data to the EPEVER cloud.



Any changes without prior notice! Version number: V1.1