- **EPEVER**
 - ** 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



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

RJ65				
GND TO THE STATE OF THE STATE O	Pin	Definition	Pin	Definition
SVDC	1	+5VDC	5	RS485-A
	2	+5VDC	6	RS485-A
	3	RS485-B	7	GND
	4	RS485-B	8	GND

3. Specifications

Model Parameter	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

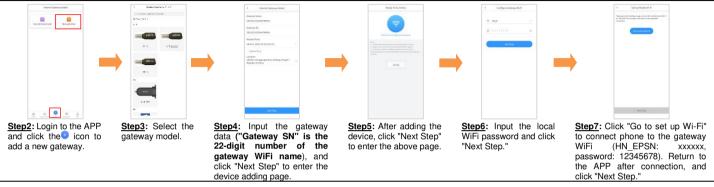


① Connect the WiFi adapter to the RJ45 port of the EPEVER device. ② Add the WiFi adapter into the EPEVER cloud by the PC or mobile APP. WARNING: The WiFi adapter is not available to the LS-B series. Suppose the WiFi adapter is installed in a metal-confined space. In that case, the signal transmission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

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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

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