

※ Thanks for selecting the EPEVER BLE RJ45 D Bluetooth module, 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.

Bluetooth Module

EPEVER BLE RJ45 D

1. Overview

Adopting the Bluetooth 5.0 transmission and BLE (Bluetooth Low Energy) technology, EPEVER BLE RJ45 D enables data collection, communication, and wireless monitoring of connected devices.

Features

- Support communication via phone APP
- Support data encryption
- Use immediately after connecting; easy and convenient operation
- Feature fast communication and strong anti-interference ability
- Directly powered by the communication port
- Up to 10 meters of communication distance

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 BLE RJ45 D
Working voltage		5V± 0.5V (Powered by RJ45 port)
Power consumption		Average: 5V@10mA; Peak: 5V@60mA
Communication distance		≤ 10m
Serial port baud rate		115200bps
Communication method		RS485 to Bluetooth
Connection port		RJ45
Bluetooth protocol		Bluetooth 5.0
Dimension (L x W x H)		63mm x 19mm x 13.8mm
Work temperature		-20°C~70°C
Enclosure		IP30
Net Weight		8.0g

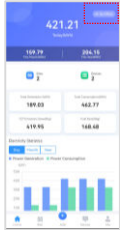
4. Working processes

① Connect the Bluetooth module to the RJ45 port of the EPEVER controller, inverter, or inverter/charger.



WARNING: The Bluetooth module is not available to the LS-B series. Suppose the Bluetooth module 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.

② Add the Bluetooth module into the EPEVER cloud by the Bluetooth signal. Detailed operating steps are as below:

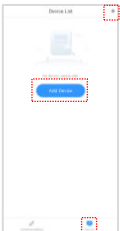

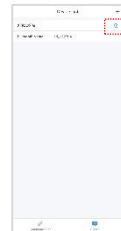




Step 1: Log in to the APP, click "Me > Data," and select all products. And then click "Data Sync" to download all data.

Step 2: Return to the APP home page, click the "Go Offline" in the upper-right corner (or log out of the APP, and click the "Enter Offline Mode" on the initial page).


Step 3: Select the module type (Bluetooth).

Step 4: Turn on the phone's Bluetooth switch and enable the "Bluetooth Configuration" to search the Bluetooth module automatically. Click the "Add" to connect the specified Bluetooth module.

Step 5: Return to the APP and click the "Device" icon to enter the "Device List" page. Click the "Add Device" or the  in the upper-right corner to jump to the device addition interface.

Step 6: Input the product name, select the product series, set the communication ID, and click "Confirm" to complete the device adding.

Step 7: Click the  icon on the "Device List" page to modify the device information.

Step 8: On the "Device List" page, click the device icon to display the device configuration figure and real-time data. Click the ... icon in the upper right corner to view the device overview and set parameters. For details, refer to the APP user manual.

5. Disclaimers

The warranty does not apply to the following conditions:

- Damage caused by improper use or inappropriate environment.
- The parameter setting exceeds the Bluetooth module's limit.
- Damage caused by working temperature exceeding the rated range.
- Unauthorized dismantling or attempted repair.

- Damage caused by force majeure.
- Damage occurred during transportation or handling.

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