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EPEVER BLE RJ45 B BLE Module User Manual

Contents

EPEVER BLE RJ45 B BLE Module

Thanks for selecting the EPEVER BLE RJ45 B Bluetooth module, please read this manual carefully before using the product.

Please keep this manual for future reference.

Overview

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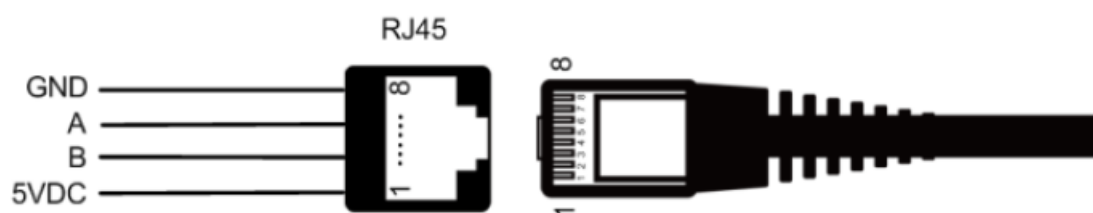
Features

- Support communication by 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 30 meters of communication distance

Appearance

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

Working processes

1. Connect the Bluetooth module to the RJ45 port of the EPEVER controller, inverter, or inverter/charger.
   WARNING: The Bluetooth adapter is not available to the LS-B series. If the Bluetooth adapter is installed in a metal confined space, 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:
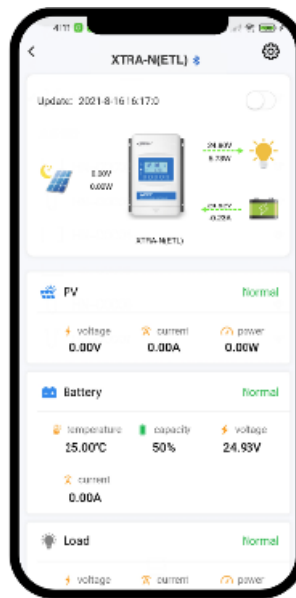

Step1: Turn on the Bluetooth switch on the phone, and open the EPEVER Pair APP. Click the "Local" icon on the home page to enter the BLE connection page.

Step2: Click the "BLE" icon to search the modules automatically, and click the module's name to connect it.

(Optional)Step3: Add the connected controller, inverter, or inverter/charger to the cloud platform via the PC or APP. Detail operations refer to the EPEVER Cloud User Manual.

Step4: After connecting successfully, remote monitor the device connected to the Bluetooth module by the phone APP.

Notes:

1. The phone and the Bluetooth module can't be placed more than 10 meters away.
2. The Bluetooth module only supports the "Local" function of the APP and does not support the "Wifi on cloud" function.

Specifications

Model Parameter	EPEVER BLE RJ45 B
Working voltage	5V± 0.5V (Powered by RJ45 port)
Power consumption	5V@ 30mA
Communication distance	≤ 10m
Serial port baud rate	2400~115200bps(default 115200bps)
Communication method	RS485 to Bluetooth
Connection port	RJ45
Bluetooth protocol	Bluetooth 5.0, compatible with Bluetooth 4.2
Dimension	63* 19* 10mm
Environment temperature	-20~70℃
Enclosure	IP30
Net Weight	7.7g

Appendix 5 Disclaimers

The warranty does not apply to the following conditions:

- Damage caused by improper use or inappropriate environment.
- The parameter setting exceeds the WiFi terminal's limit.
- Damage caused by working temperature exceeds the rated range.
- Unauthorized dismantling or attempted repair.
- Damage caused by force majeure.
- Damage occurred during transportation or handling.

Documents / Resources

EPEVER BLE RJ45 B BLE Module [pdf] User Manual
BLE RJ45 B, BLE Module, BLE RJ45 B BLE Module

References

- **Home - EPEVER**