※ **Thanks for selecting the EPEVER BLE RJ45 D Bluetooth adapter, please read this manual carefully before using the product.**

※ **This product is not waterproof or dustproof. Do not use it in humid, high salt spray, corrosion, greasy, flammable, explosive, dust accumulative, or other severe environments.**

Bluetooth Adapter

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.
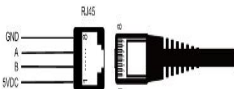
Features

- 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

RJ45 connector

Indicator instruction:

Indicator	Instruction
Solid green	Power on only, no communication
Green slowly flashing	Communication normally (it flashes when the data is refreshed).

RJ45 connector 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. System Connection

For controllers, inverters or inverters/chargers with RJ45 com. port, connect the Bluetooth adapter directly without a communication cable. For devices with non-RJ45 com. port, a supporting communication cable or adapter is needed to purchase. Please refer to the part list of corresponding devices for specific model.

4. APP Operation

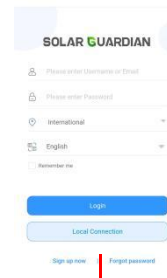### 1. Scan the QR code to download the APP

iOS   Apple App Store   Android   Google Play

2. Local connection

SOLAR GUARDIAN

After downloading, click "Local Connection" to enter the local connection mode.

Note: The Bluetooth adapter supports the "Local Connection" only. Add the EPEVER BLE RJ45 D and connected device to the APP local connection mode to monitor the real-time status or modify the parameters through the APP.
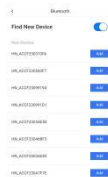
3. Add device

Step 1: Click "Local Connection" to enter the device interface.

Step 2: Click "Add" button to enter the "Add Device" interface.

Step 3: Fill in the "Device Custom Name" (or use the default name of the APP.); then, click the "Select Products Series" to enter it.

Step 4: Select the currently connected product series, and automatically return to the "Add Device" in Step 3.

Step 5: Enter the communication ID of the currently connected device and click "Select Bluetooth Gateway" to enter the Bluetooth device list.

Step 6: Select the adapter type (Bluetooth) and add it.

Step 7: After the Bluetooth connection is successful, it will automatically return to the "Add Device," and then click "Confirm." The "Confirm" button cannot be clicked if it is gray. Please check that the above information has been finished.

Step 8: Click "Confirm" to enter the Real-Time Data of the device for communication.

About the device communication ID: If the device is an inverter, the default ID will be 3; if the device is Inverter/Charge (UP HI, Upower) or MT80, the default ID will be 10; for other devices (e.g. Charge Controller, etc.), the default ID will be 1. If you modify the device communication ID, please fill in the actual ID.

5. Specifications

Model / Parameter	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	115,200bps
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℃ to 70℃
Enclosure	IP30
Net Weight	8.0g

Any changes without prior notice! Version number: V1.3