

- ※ Thanks for selecting the EPEVER BLE RJ45 A Bluetooth module. Please read this manual carefully before using the product.
- ※ Please keep this manual for future reference.

Bluetooth adapter

EPEVER BLE RJ45 A

1. Overview

EPEVER BLE RJ45 A is a new Bluetooth adapter suitable for EPEVER solar controller, inverter, and inverter/charger. Adopting the Bluetooth 5.0 transmission and BLE (Bluetooth Low Energy) technology, EPEVER BLE RJ45 A 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 10 meters communication distance

2. Appearance



• Ports Instruction

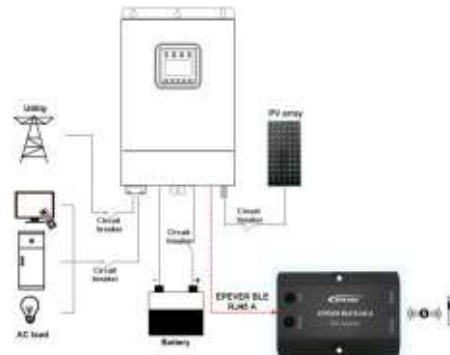
No.	Name	Instruction
①	RJ45 port	To connect the solar controller, inverter, and inverter/charger
②	Link indicator	Display communication status
③	Power indicator	Display power status

• Indicator


Indicator	Status	Instruction
Link indicator	OFF	It remains OFF state no matter whether the Bluetooth is connected or not.
Power Indicator	ON solid in green	Normal power on
	OFF	No power on

3. Working processes

Step1: Connect the RJ45 port of the Bluetooth module to the EPEVER controller, inverter, or inverter/charger.



Note: The Bluetooth module only supports one-to-one communication (i.e., a Bluetooth module can only connect one controller, inverter, or inverter/charger). Connection cable: Standard Ethernet cable(CC-RS485-RS485-200U-MT).

<p>Step 2: Open the APP and click the “Local” icon.</p>	<p>Step 3: Enter the “BLE” tab by default, and click the Bluetooth module.</p>	<p>Step 4: Auto identify the connected device, you can also select the device manually.</p>	<p>Step 5: After the device connection, the real-time interface shows. Click  on the top right corner.</p>	<p>Step 6: Enter the parameter setting interface to read and write related parameters.</p>
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Note: The phone and the Bluetooth module can't be placed farther than 10 meters. The Bluetooth module only supports the "Local" function and does not support the Wifi on cloud.

4. Specifications

Parameter	Model	EPEVER BLE RJ45 A
Input voltage		5V± 0.5V(Powered by RS485 com. port)
Power consumption		5V@30mA
Communication distance		≤ 10m
Serial port baud rate		2400 ~ 115200bps (default 115200bps)
Communication method		RS485 to Bluetooth
Connection port		RJ45 port
Connection cable		Standard network cable (parallel line)
Bluetooth protocol		Bluetooth 5.0, compatible with Bluetooth 4.0
Dimension		51 x 67 x 24.5mm
Mounting dimension		41.2, Φ3.2
Working temperature		-20 ~ 70°C
Enclosure		IP30

Net Weight	38.5g
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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 exceeds the rated range.
- Unauthorized dismantling or attempted repairs.
- Damage caused by force majeure.
- Damage occurred during transportation or handling.

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