

- X 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 30 meters communication distance

2. Appearance



Ports Instruction

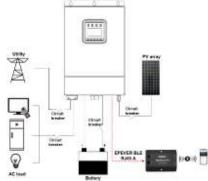
No.	Name	Instruction		
0	RJ45 port	To connect the solar controller, inverter, and inverter/charger		
2	Link indicator	Display communication status		
8	Power indicator	Display power status		

Indicator

Indicator	Status	Instruction
	ON solid in green	Connect to Bluetooth successfully.
Link indicator	OFF	Not connect to Bluetooth.
	Fast flashing in green	Restore the factory setting.
	ON solid in green	Normal power on
Power Indicator	OFF	No power on

3. Working processes

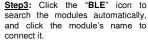
<u>Step1</u>: Connect the RJ45 port of the Bluetooth module to the EPEVER controller, inverter, or inverter/charger. Take the inverter/charger connection as an example.



Note: The Bluetooth module only supports one-to-one communication (i.e., a Bluetooth module can only connect one controller, inverter, or inverter/charger). Detail connection cable refers to the connected device accessories list.

<u>Step2</u>: Turn on the Bluetooth switch on your phone, and open the *EPEVER Pair* APP. Click the "Local" icon on the home page to enter the **BLE** connection page.

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

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Note:

- (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.

4. Specifications

4. Openications					
Model Parameter	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, Ф3.2				
Working temperature	-20 ~ 70°C				
Enclosure	IP30				
Net Weight	37.9g				

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: V1.2