

- ※ 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 Module

EPEVER-BLE-RJ45-A

1. Overview

EPEVER-BLE-RJ45-A is a new Bluetooth module suitable for EPEVER solar controller, inverter, and inverter/charger. It can independently complete the communication and data collection of the connected devices. Customers can remotely monitor the devices connected to the Bluetooth module and modify related parameters by the mobile APP.

Features:

- Wireless monitoring the solar controller, inverter, and inverter/charger
- Remote control by the mobile APP
- Convenient connection and operation
- Equipped with a high-performance, low-power consumption Bluetooth chip
- Adapt the Bluetooth 5.0 transmission and BLE (Bluetooth Low Energy) technology
- Feature fast communication and strong anti-interference ability
- No external power supply (powered by communication port directly)
- Up to 10 meters communication distance
- Reload button to restore the factory settings

2. Appearance



Ports Instruction

No.	Name	Instruction
①	RJ45 port	To connect the solar controller, inverter, and

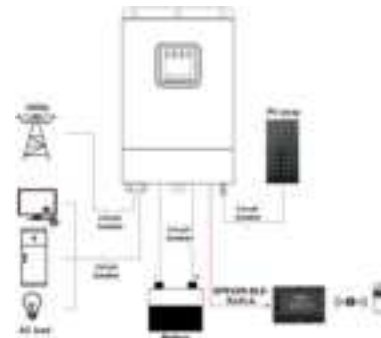
		inverter/charger
②	Reload button	To restore the factory settings (Note: Long press the Reload button with a sharp object, the Link indicator flashes twice quickly, and the factory settings are restored successfully.)
③	Link indicator	Display communication status
④	Power indicator	Display power status

Indicator

Indicator	Status	Instruction
Link indicator	ON solid in green	Connect to Bluetooth successfully.
	OFF	Not connect to Bluetooth.
	Fast flashing in green	Restore the factory setting.
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. 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.

Step2: Turn on the Bluetooth switch on your phone, and open the **Epsolar+** APP. Click the **"Local"** icon on the home page to enter the **BLE** connection page.



Step3: Click the **"BLE"** icon to search the modules automatically, and click the module's name to connect it.



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



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

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* 67* 24.5mm
Mounting dimension		41.2, Φ3.2
Working temperature		-20~70℃
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: V1.1