# **Instruction Manual**

BT-1\_RS232 Bluetooth Adapter



### Dear user: Thank you for choosing our product !

### **Product introduction:**

BT-1 is a Bluetooth module designed for empowering our company's solar charge controllers with Bluetooth communication function. By teaming up with a cellphone APP, it can be used to perform wireless monitoring, parameters setting and data checking on the system.

# Main features:

1. Realizes wireless monitoring and control function over the solar charge controller

2. Supports cellphone APP, and boasts a plug and play feature and easy setting

3. Employs a dedicated Bluetooth chip with high performance and ultra low power consumption

4. Adopts Bluetooth 4.0 and BLE technologies, boasting advantages of quick communication, excellent anti-interference capability, etc.

5. Dispenses with external power source, being powered directly through the communication port

6. Boasts a communication distance of up to 15 m

# Product appearance:

1): RS232 port (RJ12), used for connecting to the solar charge controller with RS232 as its communication bus 2): Link indicator: communication state indicator

### Indicator description

| Indicator      | State           | Description      |
|----------------|-----------------|------------------|
| Link indicator | Flashing in red | In communication |
|                | Off             | Standby          |

### System wiring diagram



Note: use a standard network cable (parallel cable) for connection.

# Applicable controller models

| Applicable controller series | All controllers of our company with a RS232 port |
|------------------------------|--------------------------------------------------|
| Communication mode           | RS232                                            |
| Controller port              | RJ12                                             |

### **Technical parameters**

| Model                       | BT-1                                    |
|-----------------------------|-----------------------------------------|
| Input voltage               | 5V-12V                                  |
| Standby power consumption   | 0.04W                                   |
| Operating power consumption | 0.05W                                   |
| Communication distance      | ≤15m                                    |
| Serial baud rate            | Fixed baud rate 9600bps                 |
| Communication mode          | RS232                                   |
| Port type                   | RJ12                                    |
| Connection cable            | Standard network cable (parallel cable) |
| Dimensions                  | 66*51*15.5mm                            |
| Installation dimensions     | 57.5, φ3.2mm                            |
| Operating temperature       | -20°C to 75°C                           |
| Protection degree           | IP67                                    |
| Net weight                  | 120g                                    |

### Software download method

1. Download from our official website: Service Support – Download Center – Bluetooth APP. You can either download it to your cellphone

by scanning the QR code, or download it to your computer. 2、 Download from APP Store: search for SRNE in APP Store and download the corresponding APP.

The administrator password in the APP is: 135790123

The contents of this manual are subject to change without prior notice.