Instruction Manual

BT-1_RS232 Bluetooth Adapter

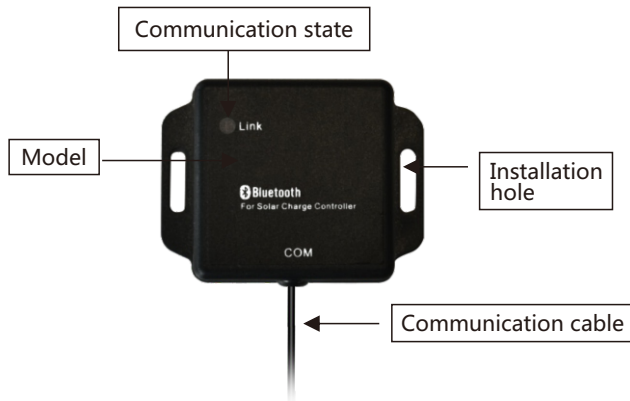**Dear user:**
Thank you for choosing our product !

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

Mobile phone&APP

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.