

WiFi Adapter

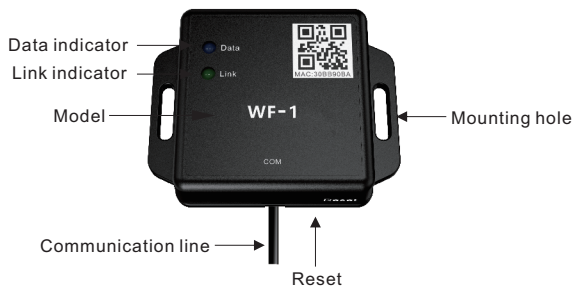
Product Introduction

WF-1 is a WiFi adapter suitable for our company's solar controller and inverter to expand WiFi communication, which can realize wireless monitoring, parameter setting and data viewing of the system with mobile APP.

Key Features

1. Support wireless data monitoring of solar charge controllers, solar charge inverters, energy storage batteries, DC chargers and others.
2. Adopt low-power Bluetooth and WiFi chips
3. Support Wi-Fi 802.11b/g/n and BLE 5.0 wireless standards
4. Support Bluetooth-mode SmartBLELink configuration.
5. Provide communication cable with its own communication power supply, which can be plugged in and used immediately.

Product Structure



Indicator Description

Indicator	Status	Description
Data indicator	Blue, flashing	Communication in progress
	Off	Idle state
Link indicator	Green, normally on	Connected to a network server
	Off	Idle state

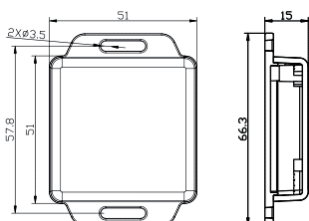
Button Description

Located in the lower right corner of the adapter, the RESET is pressed to reset the module. In case of abnormal module or inconvenient insertion and extraction it is necessary to use an object such as a mobile phone pin to insert into the reset hole for resetting.

Applicable Model

Model	WF-1
Applicable series	All of our controllers with TTL level signal and PH2.0 as the interface
Controller interface	PH2.0
Communication mode	TTL

Dimensional Drawing



Product model: WF-1
Product dimension: 66*51*15.5mm
Mounting hole diameter: φ3.5

Connection Mode

Note: The APP is available only when the WLAN, Bluetooth and LBS (Location Based Services) of the mobile phone are turned on.

1. Connect the WiFi adapter to the operating controller communication port and add the device at the "+" in the upper right corner.
2. Download and install the APP. Open the APP (please update to the latest version if prompted).
3. Click the "WiFi" icon, and add the device at the "+" in the upper right corner.



4. Add the device in mode 1 as follows: First, click "+" in the upper right corner. Then, select the target MAC device on the search interface (refer to the MAC address on the QR code of the adapter).
5. Add the device in mode 2 as follows: Add it through the "... →" in the upper right corner of the APP.
6. After the WiFi adapter is successfully configured, view the list of added devices at the "All Devices" or the corresponding category of the APP, and click to enter the device monitoring interface.
7. Click the "i" in the upper right corner to check the status of the WiFi module.

System Connection Diagram



Technical Parameters

Model	WF-1
Input voltage	DC7.2~16V
Standby power consumption	0.3W
Operating power consumption	0.5W
Bluetooth communication distance	≤15m
Configuration mode	Bluetooth within APP
WiFi wireless standard	802.11 a/b/g/n, frequency range: 2.412GHz~2.472 GHz
Bluetooth wireless standard	802.15.1, frequency range: 2.402 GHz~2.480 GHz
Serial baud rate	9600bps
Communication mode	TTL
Interface type	PH2.0
Connection line	Four-core communication line with PH2.0 interface
Dimension	66*51*15.5mm
Installation dimension	57.8*12mm
Mounting hole diameter	φ3.5
Operating temperature	-20°C~75°C
Protection grade	IP43
Net weight	120g

APP Download

Download method of Bluetooth software on mobile phone:

1. For Android phones, search for the "Solar app" in "Google Paly" to download.
2. For iPhone phones, search for the "Solar app" in "APP Store" to download.