

EM760 Wi-Fi Module

Product appearance and size



Function

The EM760 Wi-Fi module independently developed by Sine Electric is an optional accessory for the EM760 inverter of Sine Electric. Users can use this accessory and APP software to access the inverter based on WiFi using a traditional PC or smart phone with a wireless network card, and perform quick debugging, parameter setting, inching start and stop, and other operations on the inverter.

Technical specifications

Wireless technology and operating frequency: Wi-Fi 2400 ~ 2483.5MHz

Wireless modulation technology: 802.11b/g/n

Extreme operating temperature range: -20 °C ~ 70 °C

Features

Support AP working mode.

Working Mode

AP: The WiFi module turns on the hotspot, and the host computer connects to the WiFi module hotspot. The factory default is AP mode.

AP Mode (Point-to-point connection)	
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Status LED

LED Light	Constantly Extinct	Flash	Always on
Power/ PWR	The module is not powered on.	——	Module power on
Serial Port/ UART	Communication between module and inverter is abnormal	——	The module and the inverter communicate normally
Mode	Software anomaly	AP Mode	——
Network/ NET (AP)	No host computer connection	Data exchange in progress	There is a host computer connection

Steps for first-time wireless network connection

1. Install the module to the inverter. After the inverter is powered on, the power indicator light is always on (module is powered on), the serial port indicator light is always on (communication with the inverter is normal), and the mode indicator light flashes (AP mode).

2. Enable the Wi-Fi interface of the PC/mobile device. Search for the wireless network SSID of the EM760-WiFi module: sinee-xxxxxx (xxxxxx is the last six characters of the WiFi module MAC address), for example sinee-01c3a1.

3. Enter the wireless network password to start the connection (default password: 12345678).

After the connection is successful, the network indicator light will be on (there is a host computer connected).

4. Open the host computer software/APP for control.

Note: Short press the button to stop the car, long press to initialize Wi-Fi configuration.

Customize Wi-Fi module parameters

After the host computer is successfully connected, the system settings function of the host computer software can be used to configure the parameters of the Wi-Fi module. After modifying the working mode, network name and password of the Wi-Fi module in the connected state, the mode will automatically restart and the new network configuration will take effect. At this time, the host computer needs to reconnect to the network according to the modified parameters.

Initialize Wi-Fi configuration

When the inverter is powered on, long press the initialization/RESET button on the module (about 5 seconds) to restore the configuration parameters of the WiFi module to the factory state. The factory configuration parameters are as follows:

Working mode: AP mode

Wi-Fi name: sinee-xxxxxx (xxxxxx is the last six characters of the WiFi module's MAC address)

Wi-Fi password: 12345678

Note: After initializing the Wi-Fi configuration, you need to reconnect the Wi-Fi module.

If you need to connect an external WiFi module to the electric control cabinet door, you need to purchase the EM760 keyboard mounting bracket and use an Ethernet cable to connect the WiFi module and the inverter.