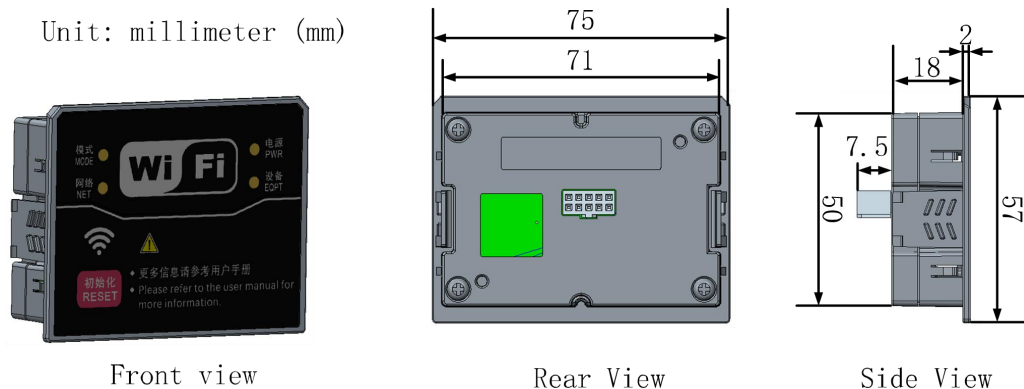


EM730 Wi-Fi Module

Product appearance and size



Function

The EM730 Wi-Fi module independently developed by Sine Electric is an optional accessory for the EM730 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 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

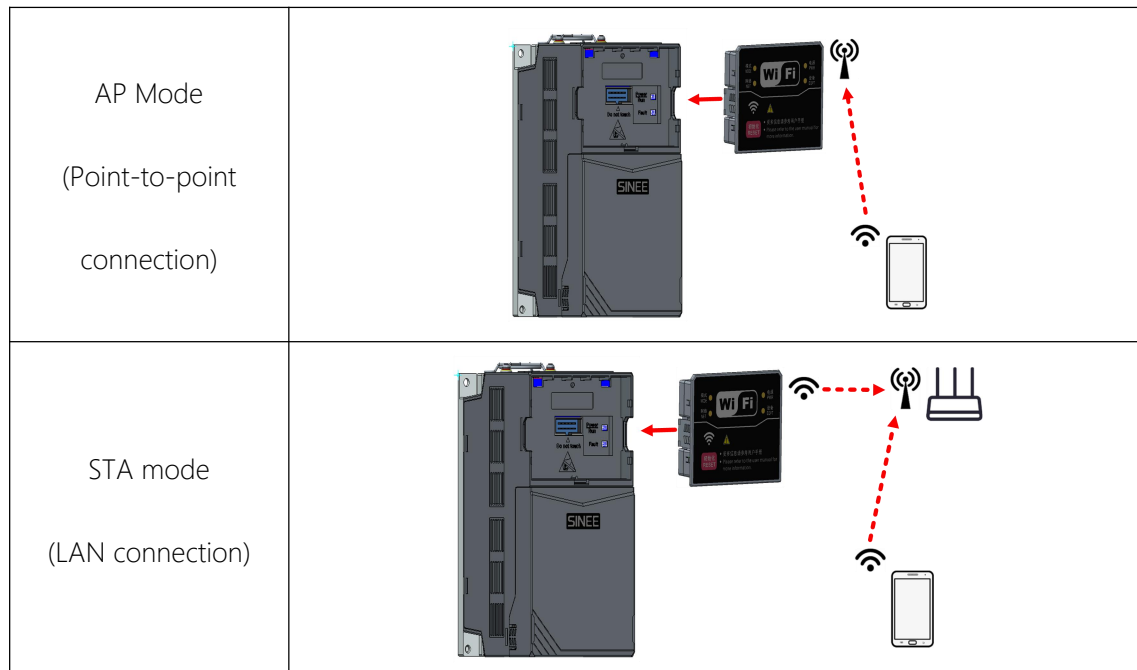
Supports two working modes: AP and STA.

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.

STA: The WiFi module and the host computer are connected to the same network. It needs to be configured in AP mode.



Status LED

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

Steps for first-time wireless network connection

1. Install the module to the inverter. After the inverter is powered on, the power indicator is always on (module is powered on), the device indicator is always on (communication with the inverter is normal), and the mode indicator flashes (AP mode).
2. Enable the Wi-Fi interface of the PC/mobile device. Search for the wireless network SSID of the EM730-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.

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.

Switch the Wi-Fi module working mode

Generally, the upper computer is used to switch the working mode of the Wi-Fi module after connection. To adapt to special occasions, the working mode of the Wi-Fi module can also be switched when the upper computer cannot be connected.

When the inverter is powered on, short press the initialization button on the module to switch the working mode of the WiFi module without modifying the Wi-Fi configuration .

Note: If you want to control the Wi-Fi module in the LAN, but the Wi-Fi module is switched to STA mode due to parameter configuration errors and cannot connect to the specified network, the Wi-Fi module mode indicator light is constant (STA working mode) and the network indicator light is always off (not connected to the router). You can short press the initialization button to switch the Wi-Fi module back to AP mode without modifying the Wi-Fi module configuration, connect point-to-point, and reconfigure the parameters.

Initialize Wi-Fi configuration

When the inverter is powered on, long press the Initialization/RESET button on the module 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