

SOP for Deye Firmware Upgrade (v 1.53) and AP modification

I Firmware Upgrade

1、Connect AP

Turn on WiFi, select "AP_XXXXXXXX" and enter password "12345678"



2、Login WEB page

Open a browser and enter 10.10.100.254

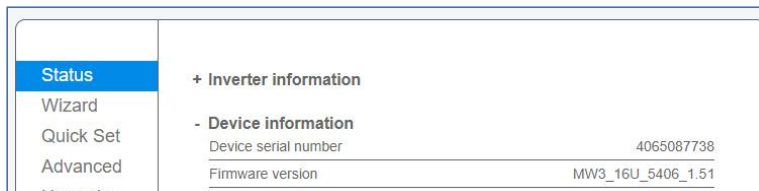
Account: "admin"

Password: "admin"



3、Firmware package upgrade

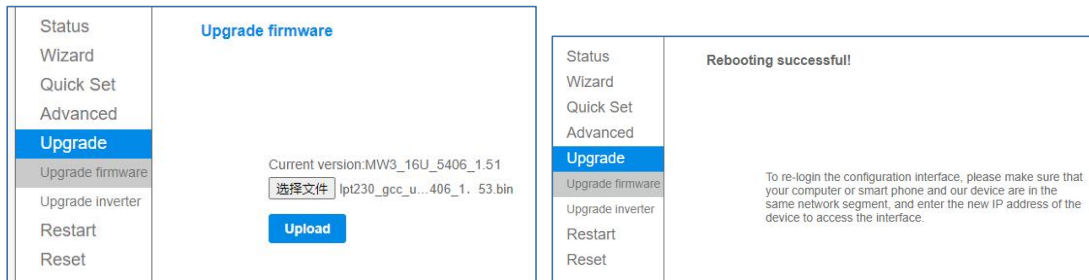
3.1 Confirm firmware version. If it's lower than MW3_16U_5406_1.53, please upgrade it.



3.2 Select "Upgrade"→"Upgrade firmware", upload the firmware and click"Upload".

If "Rebooting successful!" shows, please wait for 1-2min for rebooting and follow step1&2 to enter again.

Notice: Please do NOT select "Upgrade inverter"



3.3 Successful upgrade



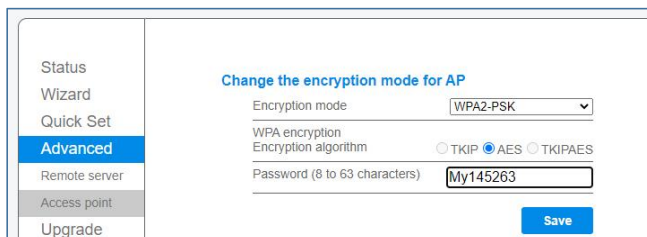
4、Modify AP password

Method 1

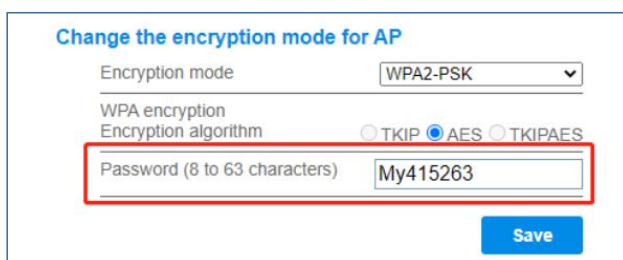
4.2.1 Modify AP password

Click "Advanced" → "Access point", go to "Password (8 to 63 characters)" and set new password.

E.g. "My415263", click "Save"-"Restart"



After 30-60s, module rebooted and reconnect AP. Select "AP_4065087738" and enter AP password "My415263". Login to WEB page again and check it works.



Method 2

Click "Wizard", select router name (Only 2.4G WiFi supports, 5G WiFi not supported).

Click "Next" and enter router password and click "Next".

Status

Wizard

Quick Set

Advanced

Upgrade

Restart

Reset

Please select your current wireless network:

Site Survey

SSID	BSSID	RSSI	Channel
Office	D4:1E:86	1	
Office	D4:1E:86	1	
Office	9F:D7:11		
Office	A2:25:99	6	
Office	47:34:47	1	
Office	47:34:47	1	
Office	127:86:83	7	
Office_2.4G	0BE1:1B:45	5	
Office_2.4G	2C:3B:F8	1	
Office_2.4G	90:5F:A2	3	
Office	18:9E:2C	1	

*Note: When RSSI of the selected WiFi network is lower than 15%, the connection may be unstable, please select other available network or shorten the distance between the device and router.

Refresh

Add wireless network manually:

Network name (SSID) (Note: case sensitive)

Encryption method

Encryption algorithm

Next

1 2 3 4

Status

Wizard

Quick Set

Advanced

Upgrade

Restart

Reset

Please fill in the following information:

Password (8-64 bytes) (Note: case sensitive)

Show Password

Obtain an IP address automatically

IP address

Subnet mask

Gateway address

DNS server address

Back Next

1 2 3 4

1、 This page support hide AP/AP password modification/WEB login account and password modification

4.1.2.1 Hide AP

Once AP is hidden, it cannot be list in the WiFi list. Please be cautious with this operation.

Please refer to the end of the document and set AP open through special operation methods.

Status

Wizard

Quick Set

Advanced

Upgrade

Restart

Reset

Enhance Security

You can enhance your system security by choosing the following methods

Hide AP

Change the encryption mode for AP

Change the user name and password for Web server

4.1.2.2 AP password modification

AP name modification is not supported, which might cause SN mismatch.

Status

Wizard

Quick Set

Advanced

Upgrade

Restart

Reset

Enhance Security

You can enhance your system security by choosing the following methods

Hide AP

Change the encryption mode for AP

Encryption mode

WPA encryption

Encryption algorithm TKIP AES TKIPAES

Password (8 to 63 characters)

Change the user name and password for Web server

Back Next

1 2 3 4

4.1.2.3 WEB login account and password modification

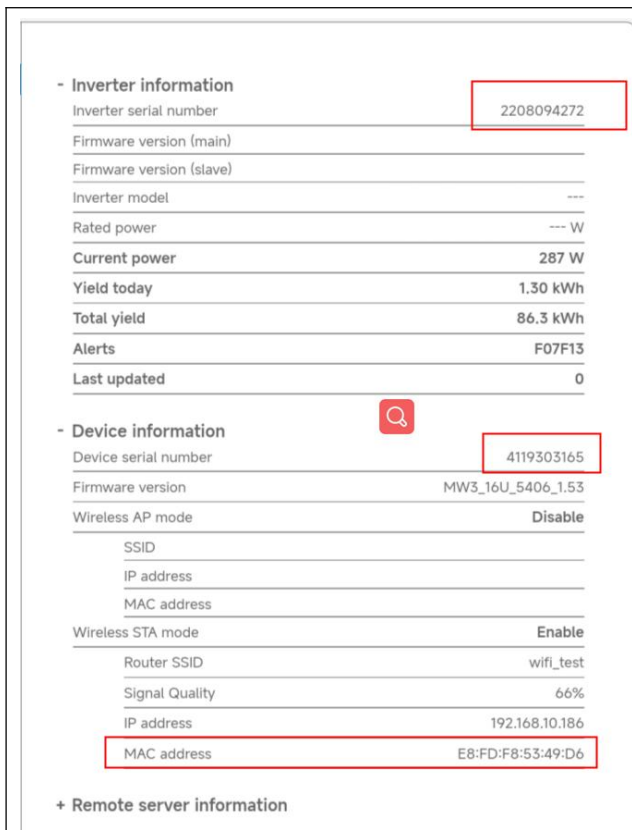
Status	<h3>Enhance Security</h3> <p>You can enhance your system security by choosing the following methods</p> <p>Hide AP <input type="checkbox"/></p> <p>Change the encryption mode for AP <input type="checkbox"/></p> <p>Change the user name and password for Web server <input checked="" type="checkbox"/></p> <p>Current user name <input type="text" value="admin"/></p> <p>New user name (Max. 15 characters) <input type="text" value="admin1"/></p> <p>Re-enter user name <input type="text" value="admin1"/></p> <p>New password (Max. 15 characters) <input type="password" value="*****"/></p> <p>Re-enter password <input type="password" value="*****"/></p> <p><input type="button" value="Back"/> <input type="button" value="Next"/></p> <p>1 2 3 4</p>
Wizard	
Quick Set	
Advanced	
Upgrade	
Restart	
Reset	

How to recover password after hiding AP

Method 1. If original AP name is known, go to WLAN and add network manually. Enter 10.10.100.254.



Method 2: Provide SN and MAC address for customer service. Customer service will provide default router password and account. (E.g. 0bbd272f)



Turn off WIFI (Required), open phone WLAN hotspot, set WLAN hotspot network name and password according to customer service.

Reboot micro inverter, it can connect to WLAN hotspot automatically and record IP address.



Open the network debugging wizard, go to TCP, add TCP, set IP address as micro inverter IP address.
Port: 8899, Code: US-ascii

Send the recovery instruction to get the information of this micro inverter.

← 修改TCP客户端

名称
自定义，仅用于标识、助记

主机
192.168.43.112

端口
8899

保存

过滤关键字(不区分大小写)

utf-8
 显示发送
 自动滚动

收: 70
发: 成功: 16 失败: 0

12:57:59.022> 连接成功

12:57:59.755> YAPK-REQ

12:57:59.892> YAPK-REQ,+ok=WPA2PSK,AES,12345678

12:58:01.177> YAPK-REQ

12:58:01.214> YAPK-REQ,+ok=WPA2PSK,AES,12345678

YAPK-REQ

✕
发送
⌵

us-ascii

循环 延时(ms): 10

Recovery instruction
YAPK_REQ: Request AP password
YAPH-SHOU: AP hidden cancelled
YAPK-RELD: Recover AP password as 12345678
YWEB-RELD: Login to web page and change password to admin
YRELD-SET: Restore factory setting (Restore password to 12345678, Web end admin, AP name to original AP)
This operation is relatively complex at present, and a special APP simplified operation will be made soon
How to recover the password, machine ID, AP and etc, automatically
If micro inverter is still online, you can upgrade the module to the old version of firmware before 50 on the web page, and the password will automatically be restored to 12345678, and then upgrade back
If there is a problem with personal recovery, please provide the AP name and machine ID to be solved by customer service.