

# 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”

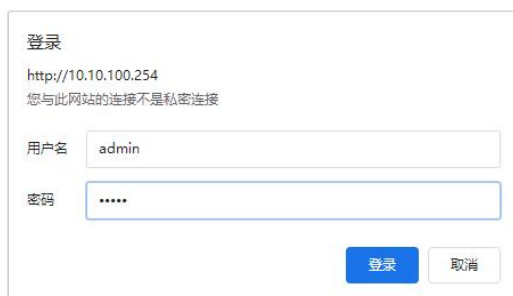


### 2、Login WEB page

Open a browser and enter 10.10.100.254

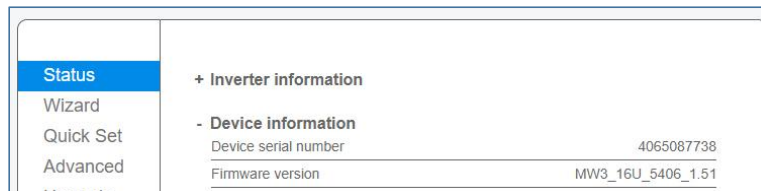
Account: “admin”

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”

Status	<h3>Upgrade firmware</h3> <p>Current version: MW3_16U_5406_1.51</p> <p>选择文件 <input type="text" value="lpt230_gcc_u...406_1. 53.bin"/></p> <p><input type="button" value="Upload"/></p>
Wizard	
Quick Set	
Advanced	
<b>Upgrade</b>	
Upgrade firmware	
Upgrade inverter	<h3>Rebooting successful!</h3> <p>To re-login the configuration interface, please make sure that your computer or smart phone and our device are in the same network segment, and enter the new IP address of the device to access the interface.</p>
Restart	
Reset	
<b>Upgrade</b>	
Upgrade firmware	
Upgrade inverter	

### 3.3 Successful upgrade

Status	<h3>+ Inverter information</h3> <h3>- Device information</h3> <p>Device serial number 4065087738</p> <p>Firmware version MW3_16U_5406_1.53</p>
Wizard	
Quick Set	
Advanced	
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”

Status	<h3>Change the encryption mode for AP</h3> <p>Encryption mode <input type="text" value="WPA2-PSK"/></p> <p>WPA encryption</p> <p>Encryption algorithm <input type="radio"/> TKIP <input checked="" type="radio"/> AES <input type="radio"/> TKIPAES</p> <p>Password (8 to 63 characters) <input type="text" value="My415263"/></p> <p><input type="button" value="Save"/></p>
Wizard	
Quick Set	
<b>Advanced</b>	
Remote server	
Access point	
Upgrade	

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.

<h3>Change the encryption mode for AP</h3> <p>Encryption mode <input type="text" value="WPA2-PSK"/></p> <p>WPA encryption</p> <p>Encryption algorithm <input type="radio"/> TKIP <input checked="" type="radio"/> AES <input type="radio"/> TKIPAES</p> <p>Password (8 to 63 characters) <input type="text" value="My415263"/></p> <p><input type="button" value="Save"/></p>	
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### 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

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

Current user name

admin

New user name (Max.15 characters)

admin1

Re-enter user name

admin1

New password (Max.15 characters)

\*\*\*\*\*

Re-enter password

\*\*\*\*\*

Back

Next

1

2

3

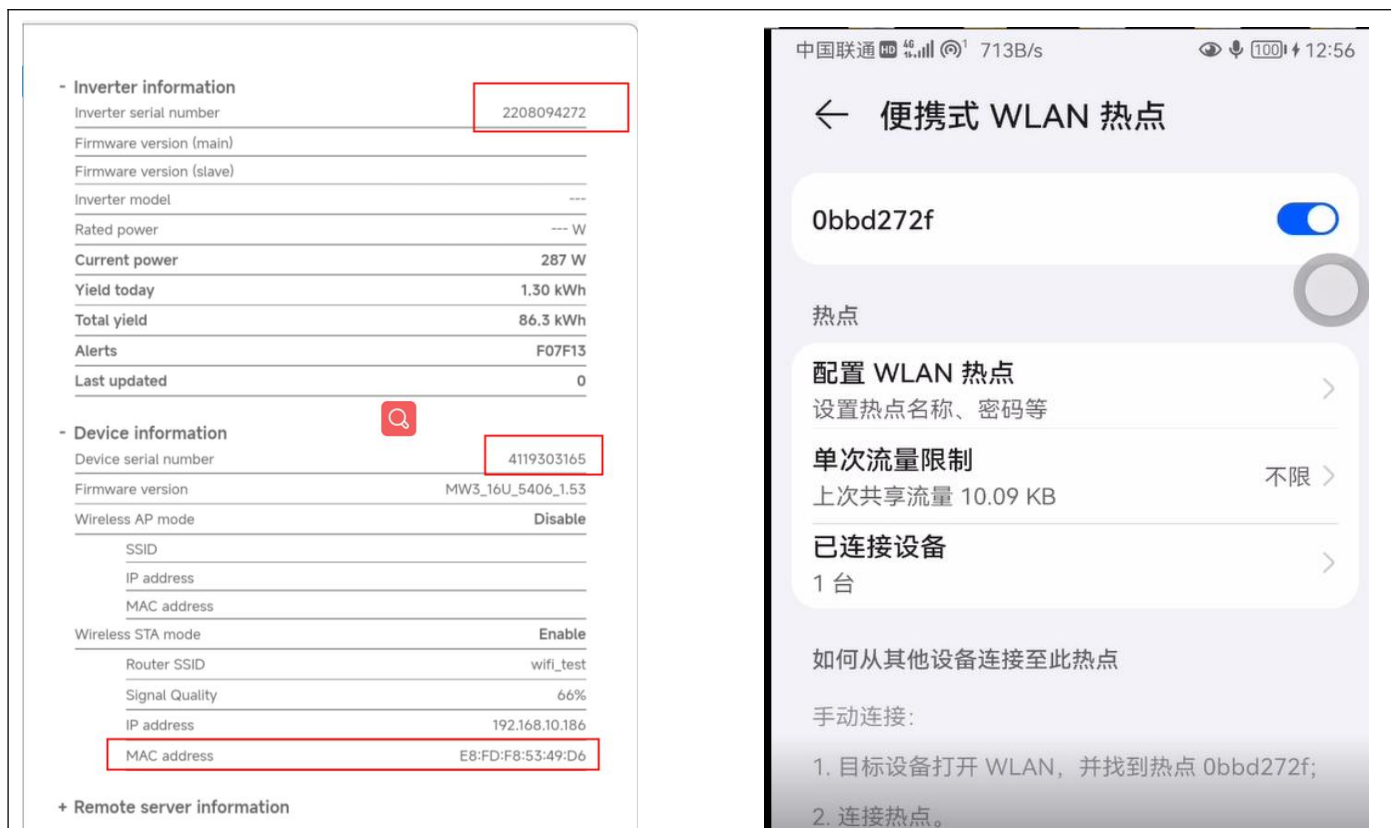
4

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

12:57:59.755> 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.