RPI703M260000-C
Sub-1G & BLE Module

Additional notes:

(15.21) Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

1. To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. (Not including low power device (below 20mW))
2. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is needed.
- Consult the dealer or an experienced radio/TV technician for help.

This device is intended only for OEM integrators under the following conditions:

1) The antenna must be installed such that 20 cm is maintained between the antenna and users. For laptop installations, the antenna must be installed to ensure that the proper spacing is maintained in the event the users places the device in their lap during use (i.e. positioning of antennas must be placed in th e upper portion of the LCD panel only to ensure 20 cm will be maintained if the user places the device in their lap for use) and

2) The transmitter module may not be co-located with any other transmitter or antenna. As long as the 2 conditions above are met, further transmitter testing will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements require with this module installed (for example, digital device emissions, PC peripheral requirements, etc.). IMPORTANT NOTE: In the event that these conditions can not be met (for example certain lapt configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for reevaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

End Product Labeling

This transmitter module is authorized only for use in devices where the antenna may be installed such that 20 cm may be maintained between the antenna and users (for example access points, routers, wireless ASDL modems, certain laptop configurations, and similar equipment). The final end product must be labeled in a visible area with the following: "Contains TX FCC ID: 2ARTO-RPI703M26000C

Un-license band: This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1)this device maynot cause harmful interference, and

(2)this device must accept any interference received, including interference that may cause undesiredoperation.

依據低功率電波輻射性電機管理辦法

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

MyDeltaSolar

1. This APP should collocate with data collector and Delta Inverter.
2. If inverter is not connected to cloud, you still can monitor inverter operation by APP.

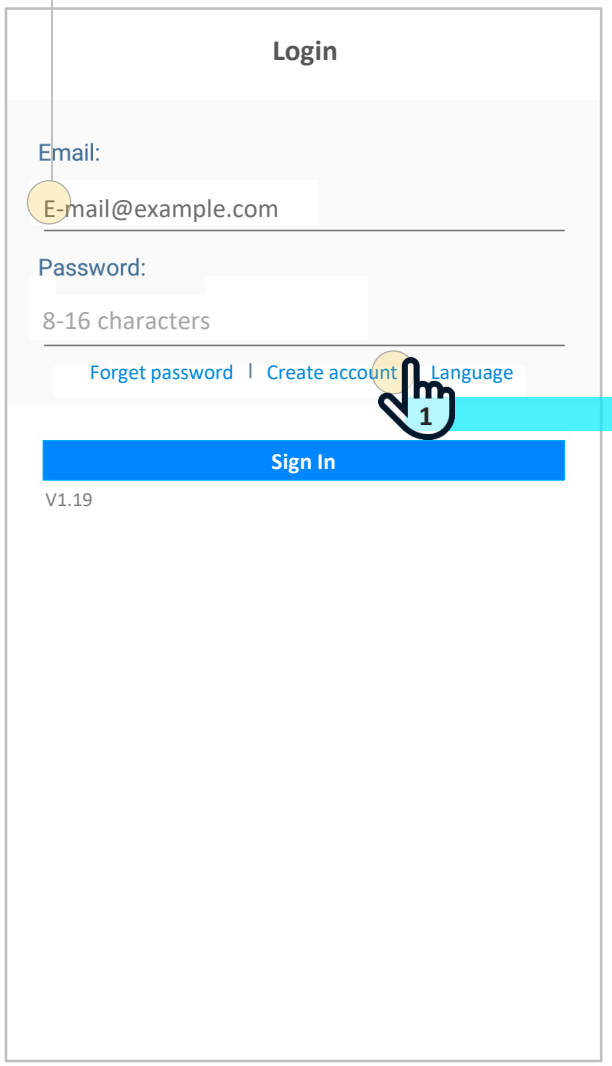
Where can search for MyDeltaSolar APP?

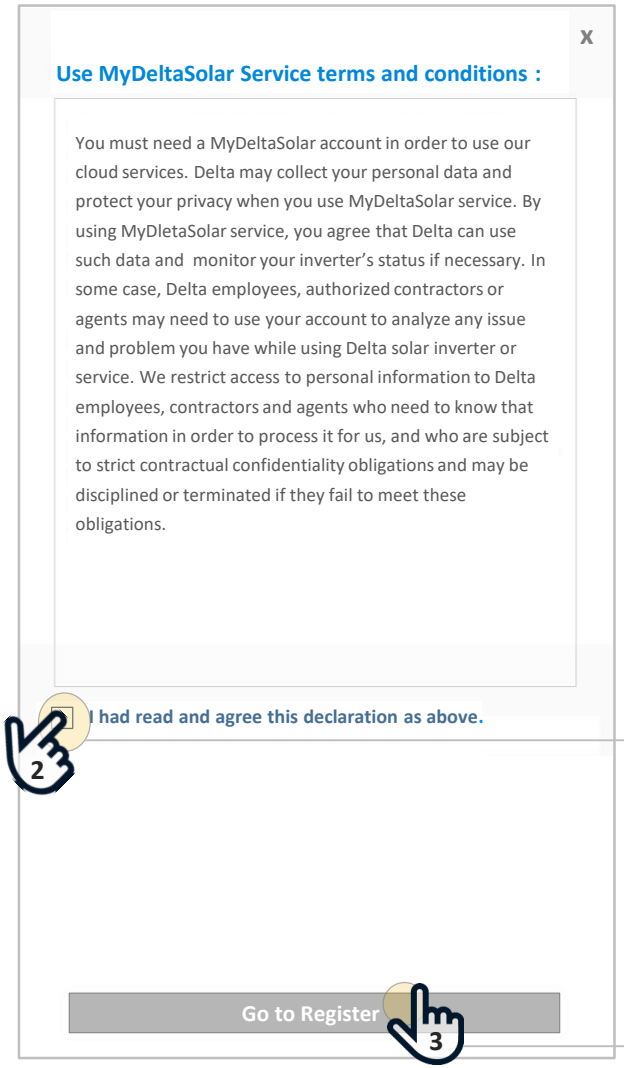
- QR Code : Please scan the QR code to DSC cloud (web).
- IOS system : Please search “MyDeltaSolar” in App store.
- Android system : Please search “MyDeltaSolar” in Google Play.

QR Code

IOS
https://itunes.apple.com/ng/app/mydeltasolar/id1271609228?mt=8

Android
https://play.google.com/store/apps/details?id=com.mydeltasolar_1_0_0.app&hl=zh-TW





- **Login :**

1. Please fill in user e-mail & password.

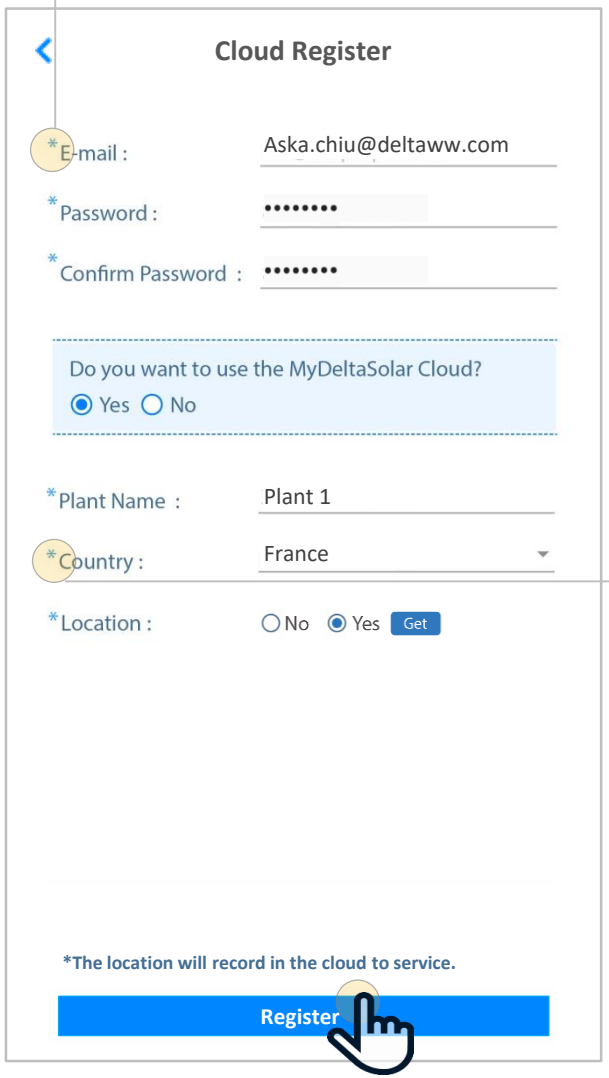
*If you have registered, the mobile will remember account info. Then please fill in password.

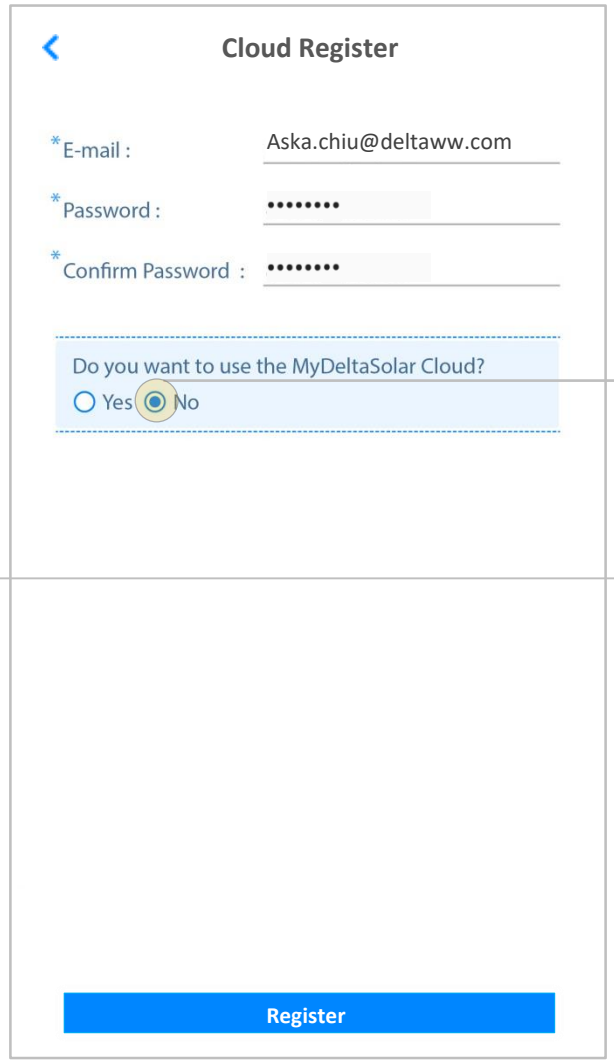
2. Please click "**Create account**" to create an user's account.

3. User have to check the box ☑ to enable "**Go to Register**" button.

4. Please click "**Go to Register**" to register.

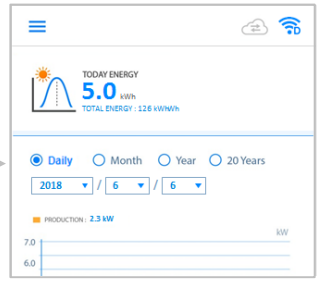
Go to Register



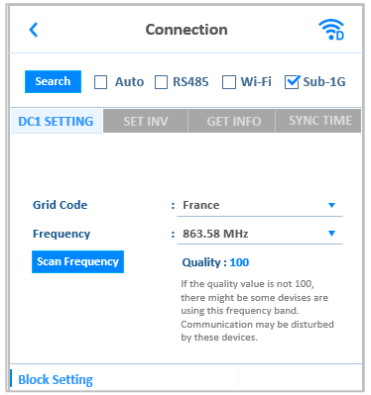


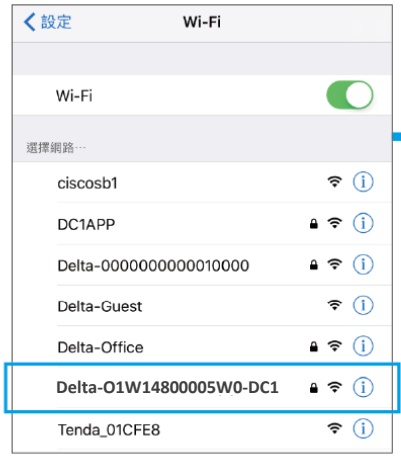
- **REGISTER** :
  One account can register many plants.

- **USE CLOUD / DC1** :
  Yes -> Switch to cloud page.
  No -> Home page (DC1 Monitor).

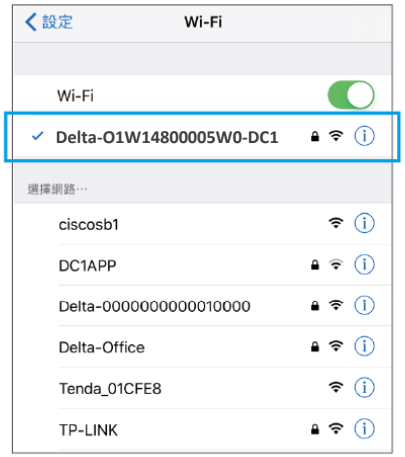


If one country have multi-grid code, user have to choose the correct grid code.
e.g. User choose France here :





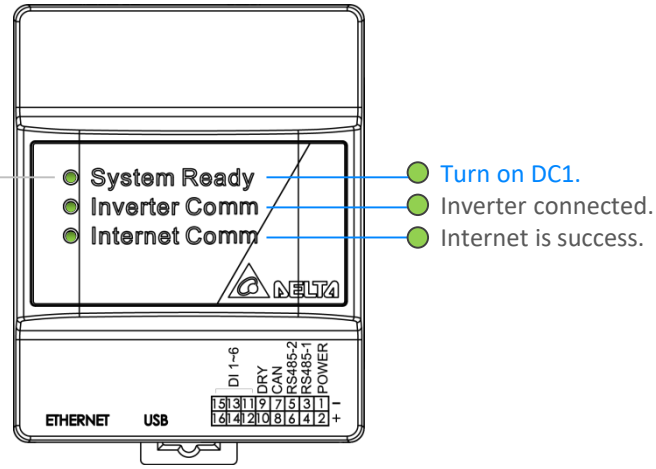
Choose SSID :
Delta-serial number

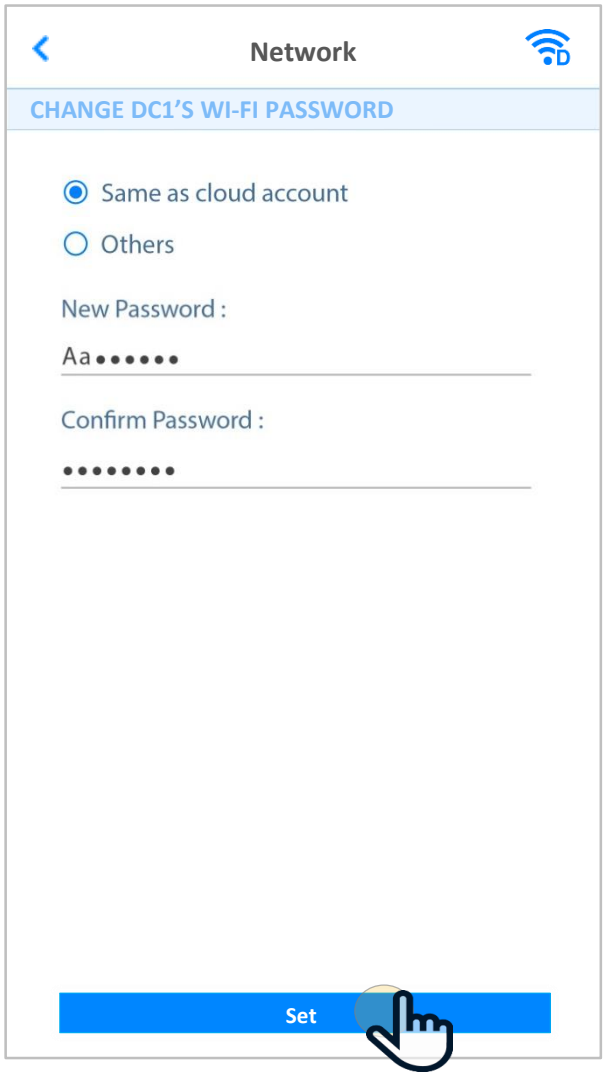


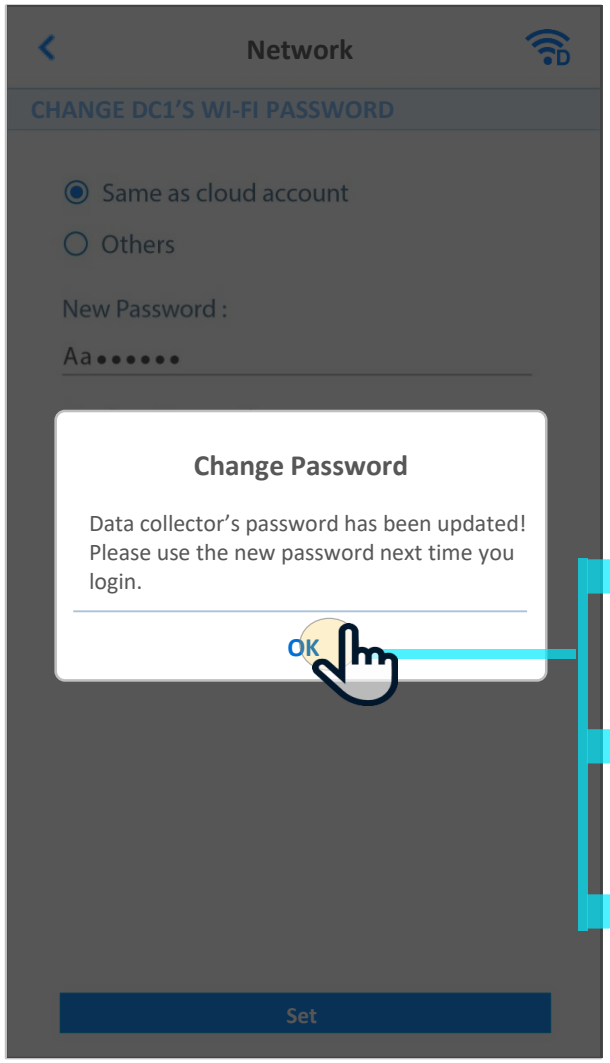
Enter default password :
DELTASOL

Wi-Fi Connection Procedure by APP

1. Turn on DC1.
2. Turn on Wi-Fi function of mobile device. (cell phone, tablet)
3. Search and choose DC1' SSID (Delta-serial number-DC1).
4. Enter the default password "DELTASOL" to get DC1 connected.
5. Open MyDeltaSolar APP.







- **CHANGE DC1'S PASSWORD :**
  1. **Same as cloud account** : The system enter user's password automatically.

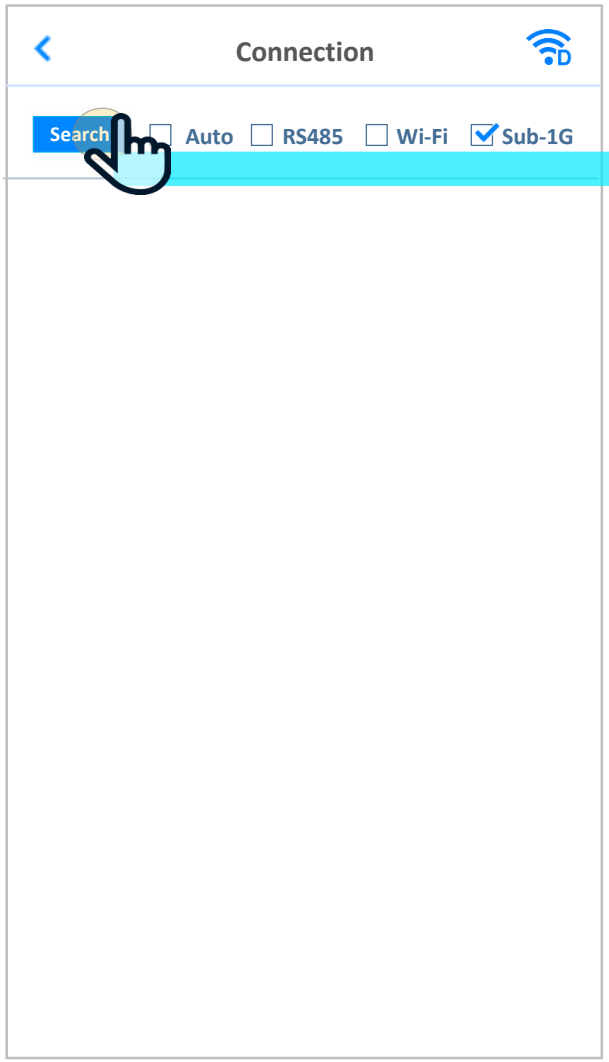
  2. **Others** : User can change password, and fill in "confirm password" to double confirm.

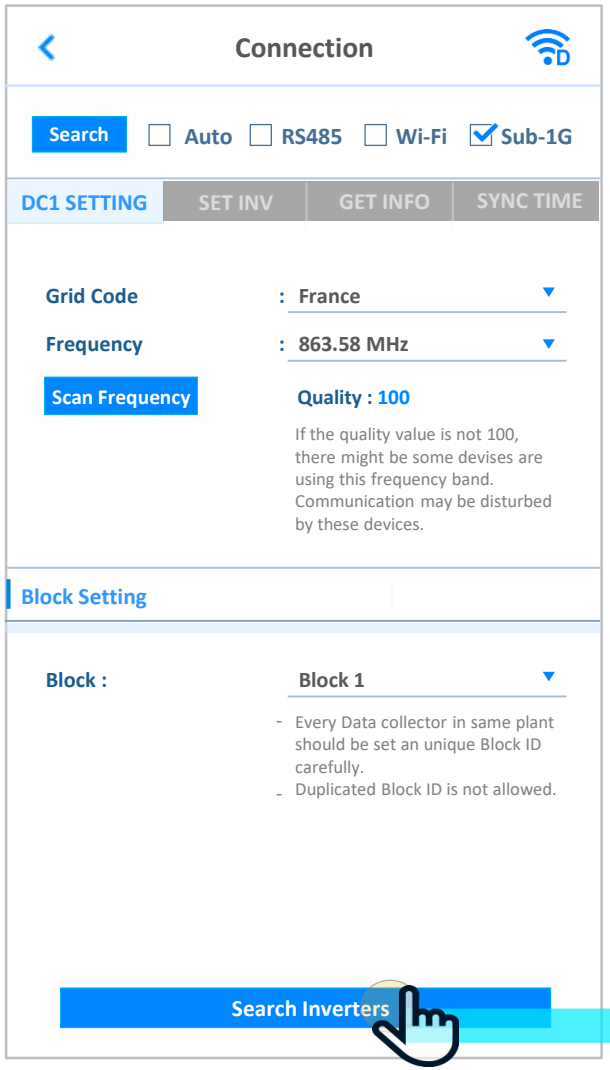
  *Change your password by using strong one what you don't use elsewhere immediately to protect your account.

- **Connection (page 8-12) :**
  If this data collector isn't set up yet, APP will direct to this page and start the following set up procedure.

- **Network (page 13) :**
  If user want this data collector uses delta cloud service, but it's network connection is not set up yet.

- **Cloud (page 14) :**
  If this data collector is completely set up, APP wilt direct to cloud page.





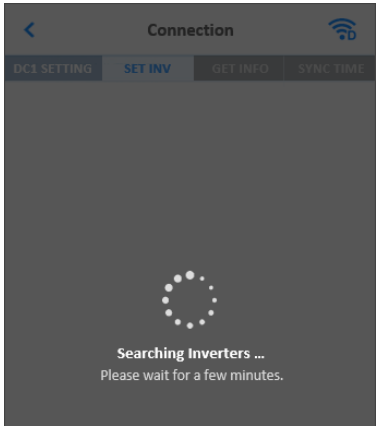
- **Search Button :**
  Select Sub-1G and click Search button to start DC1 setting process.

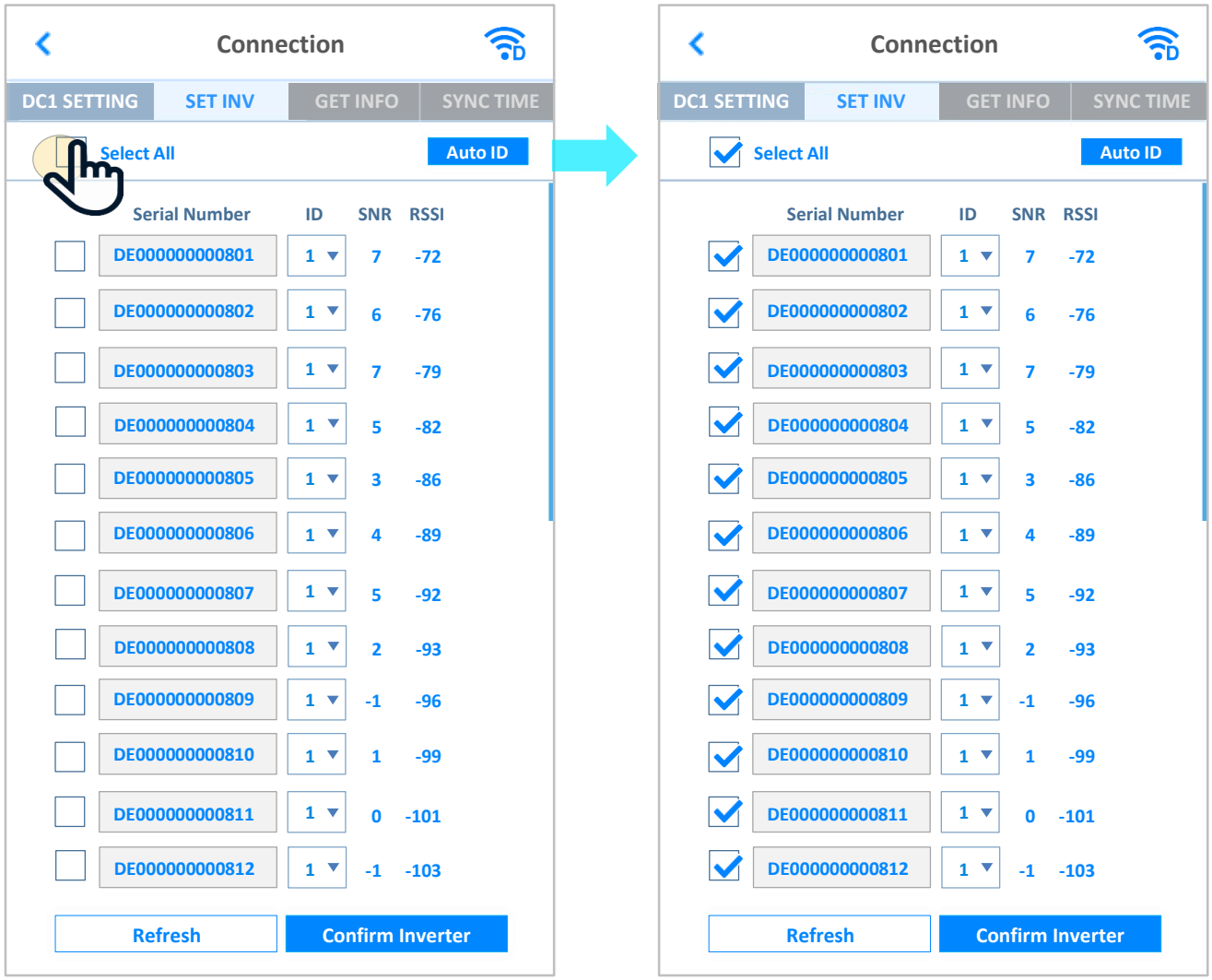
If this data collector isn't set up yet, APP will direct to this page and start the following set up procedure (page 8-12).

Grid Code : Select specific grid codes for utility. Will be written into inverters.
Frequency : Select the desired frequency to scan for quality.

1. Scan one frequency is 10 s.
2. Quality = 100 is OK to use.
   Quality < 100 has been used.
3. Sort : Good (top) → Bad (bottom)

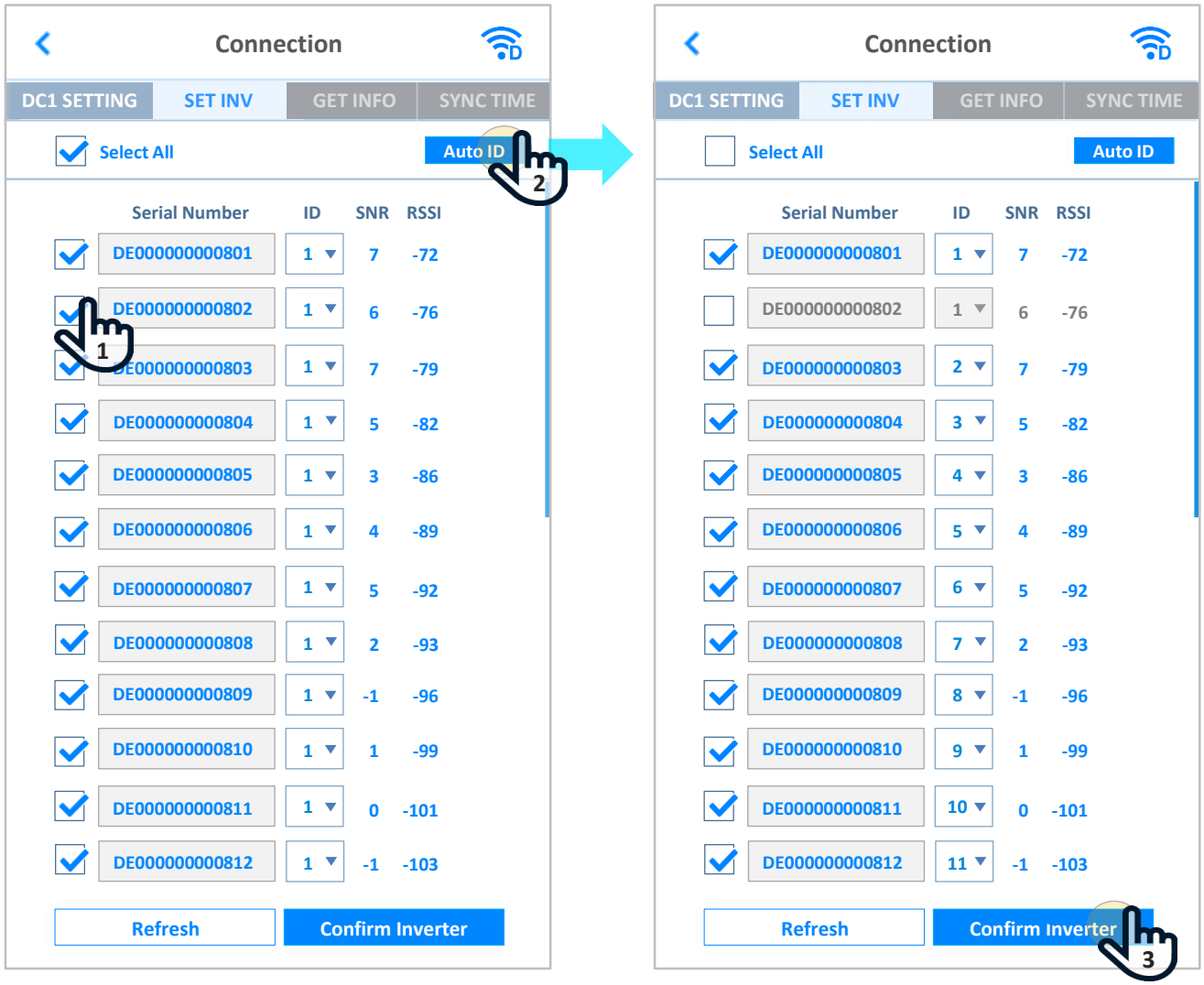
- **Searching Inverter :**





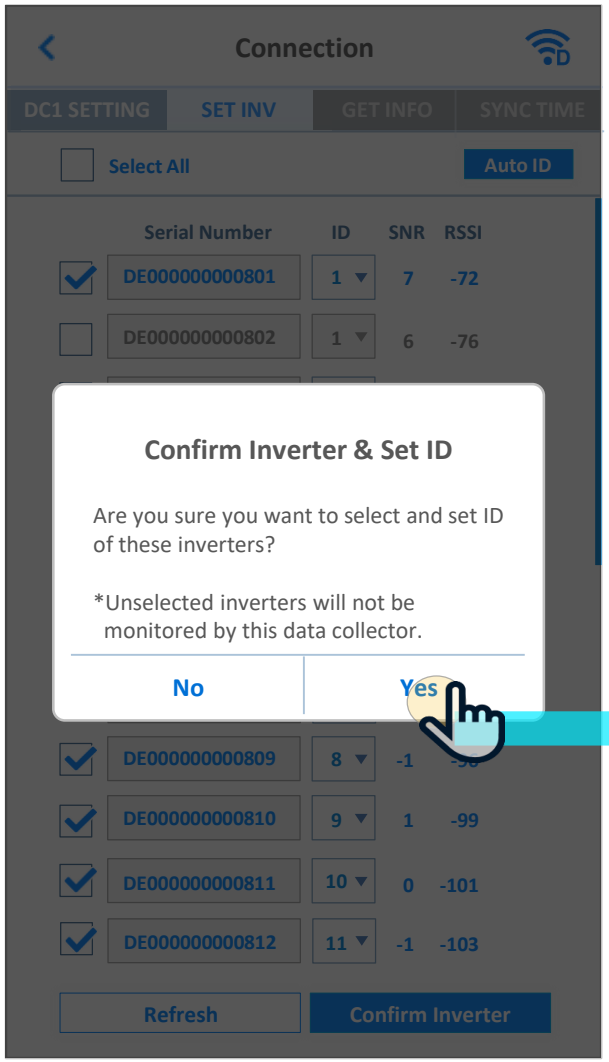
- **Select All :**
  This button will select all inverters. When there are more than 25 inverters, the top most 25 inverters will be selected.

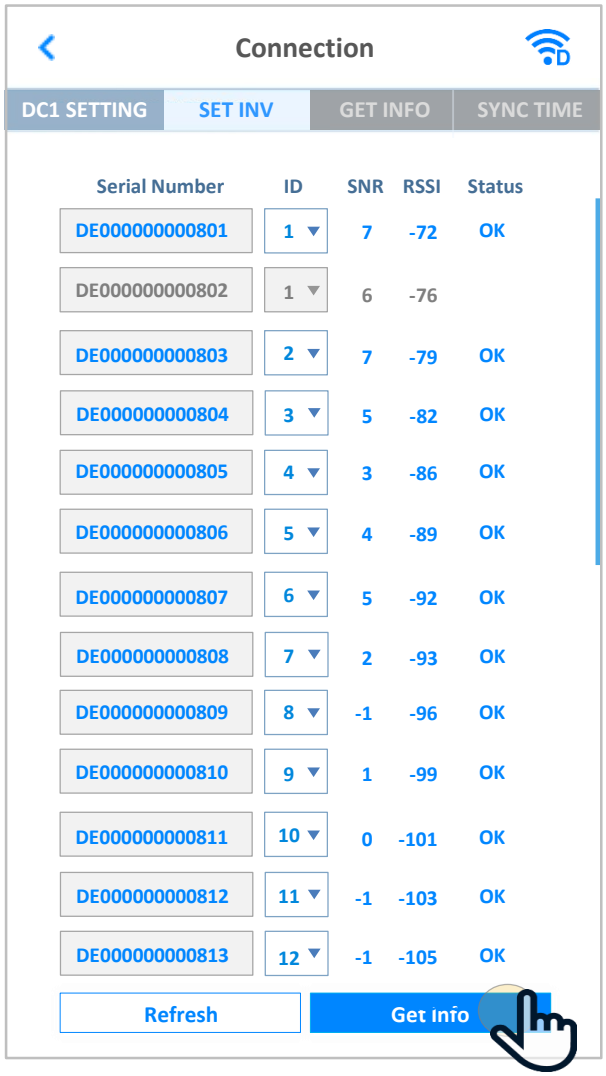
- **RSSI :**
  Indicate the signal quality of every inverter. The larger is better.
  * The search result will be sorted by RSSI, the most recommended inverters will on the top of the list.



- **Auto ID :**
  This button will automatically assign an unique ID to every inverter which is selected.

- **Confirm Inverter:**
  User cannot select more than 25 inverters, and duplicated ID is not allowed.

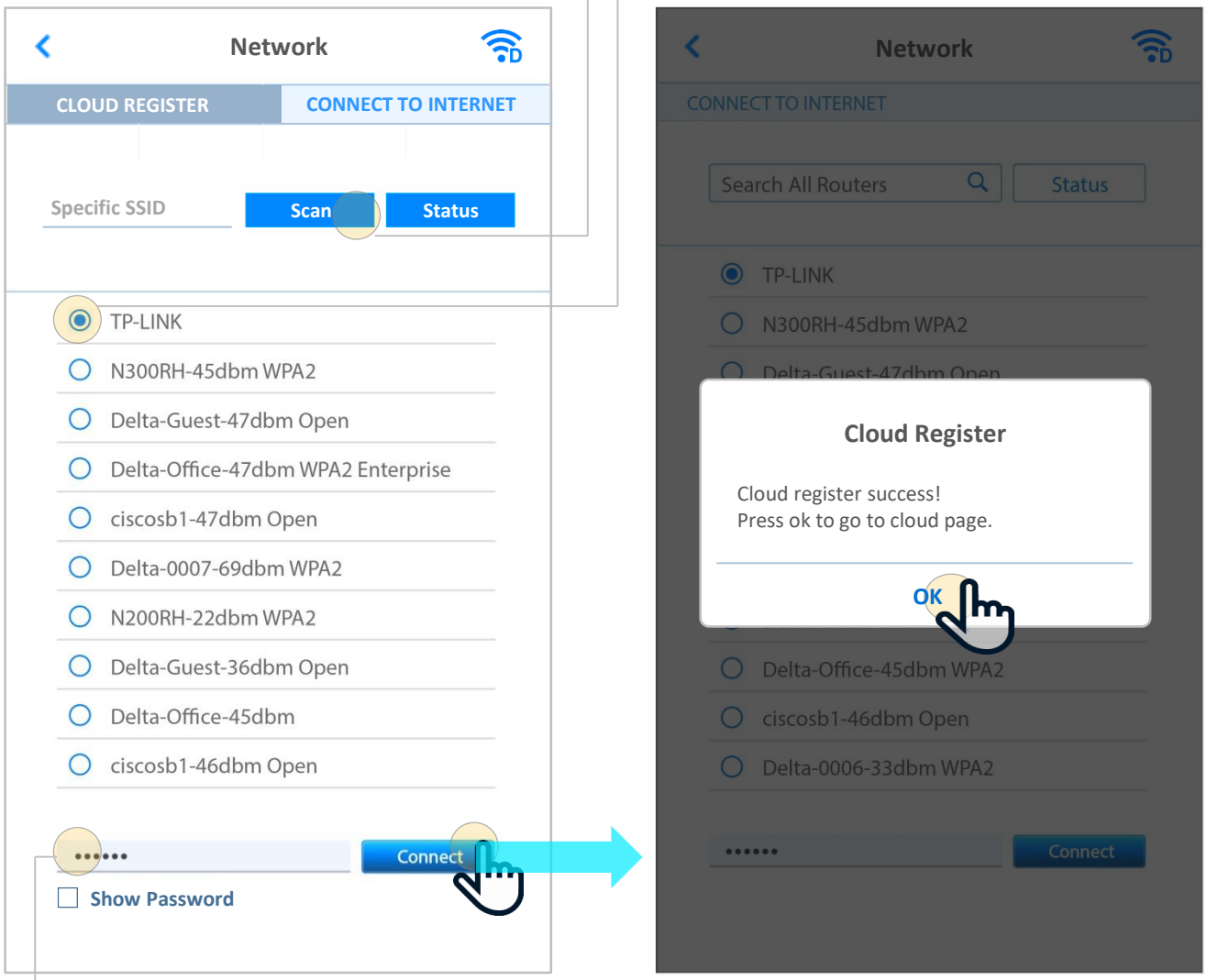




- **Status :**
  OK : Set inverter ID success.
  Fail : Set inverter ID fail, need refresh.

- **Get Info**
  All selected inverters need to be set ID successfully.

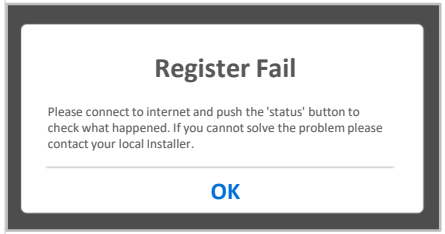

Connection
DC1 SETTING
SET INV
GET INFO
SYNC TIME
Serial Number ID SNR RSSI Status
DE000000000801 1 7 -72 OK
DE000000000802 1 6 -76
DE000000000803 2 7 -79 OK
DE000000000804 3 5 -82 OK
DE000000000805 4 3 -86 OK
DE000000000806 5 4 -89 OK
DE000000000807 6 5 -92 OK
DE000000000808 7 2 -93 OK
DE000000000809 8 -1 -96 OK
DE000000000810 9 1 -99 OK
DE000000000811 10 0 -101 OK
DE000000000812 11 -1 -103 OK
DE000000000813 12 -1 -105 OK
Refresh
Sync time
Connection
DC1 SETTING
SET INV
GET INFO
SYNC TIME
Serial Number ID SNR RSSI Status
DE000000000801 1 7 -72 OK
DE000000000802 1 6 -76
DE000000000803 2 7 -79 OK
DE000000000804 3 5 -82 OK
DE000000000805 4 3 -86 OK
DE000000000806 5 4 -89 OK
DE000000000807 6 5 -92 OK
DE000000000808 7 2 -93 OK
DE000000000809 8 -1 -96 OK
DE000000000810 9 1 -99 OK
DE000000000811 10 0 -101 OK
DE000000000812 11 -1 -103 OK
DE000000000813 12 -1 -105 OK
Refresh
Next



- **Search Internet** :
  1. User click “search” icon to search Wi-Fi access point.

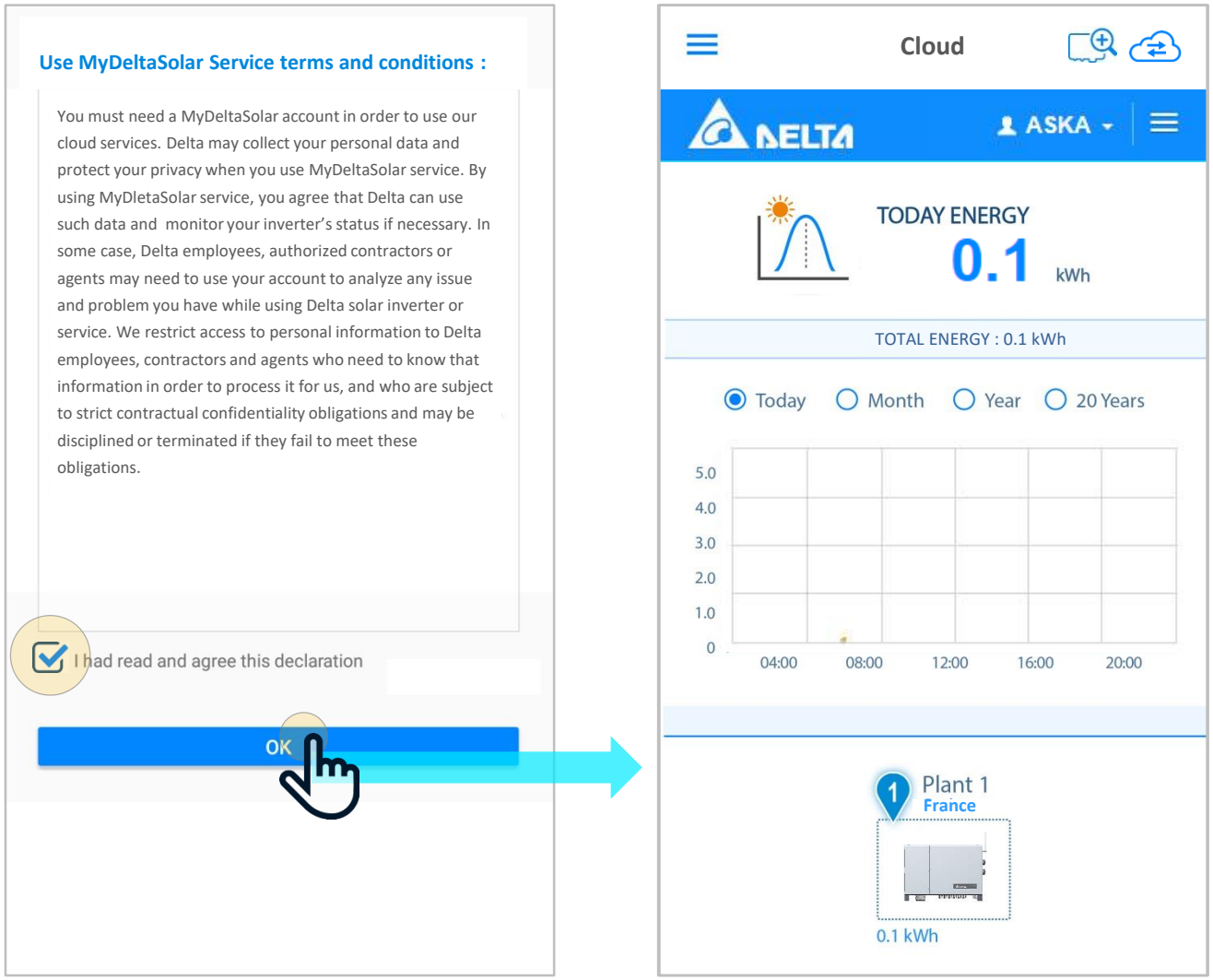
  2. Please choose an available Wi-Fi access point.

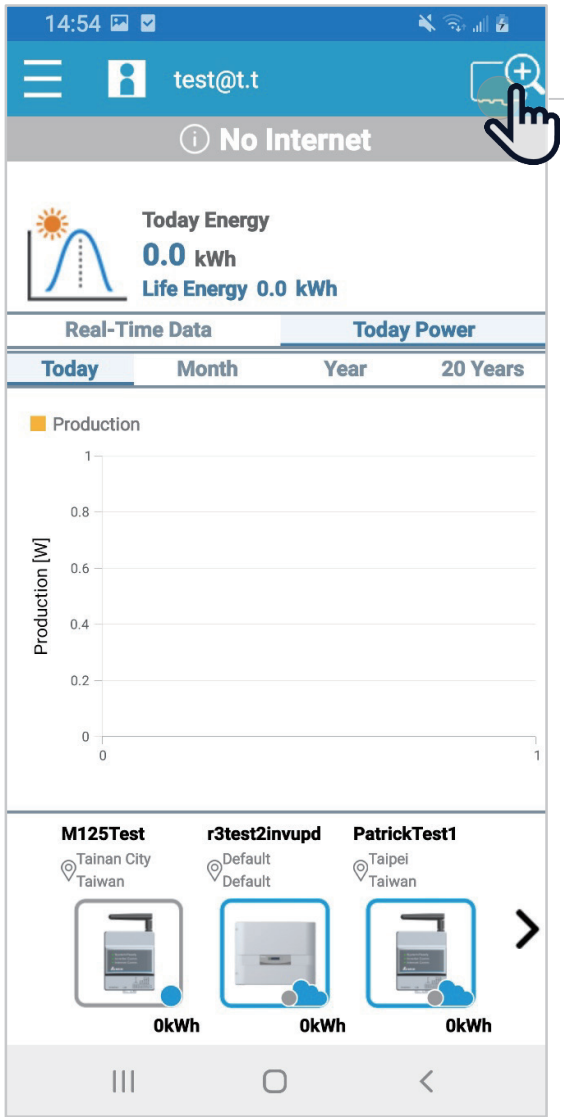
- **Register Fail** :
  The message box would indicate the reason why register was failed.



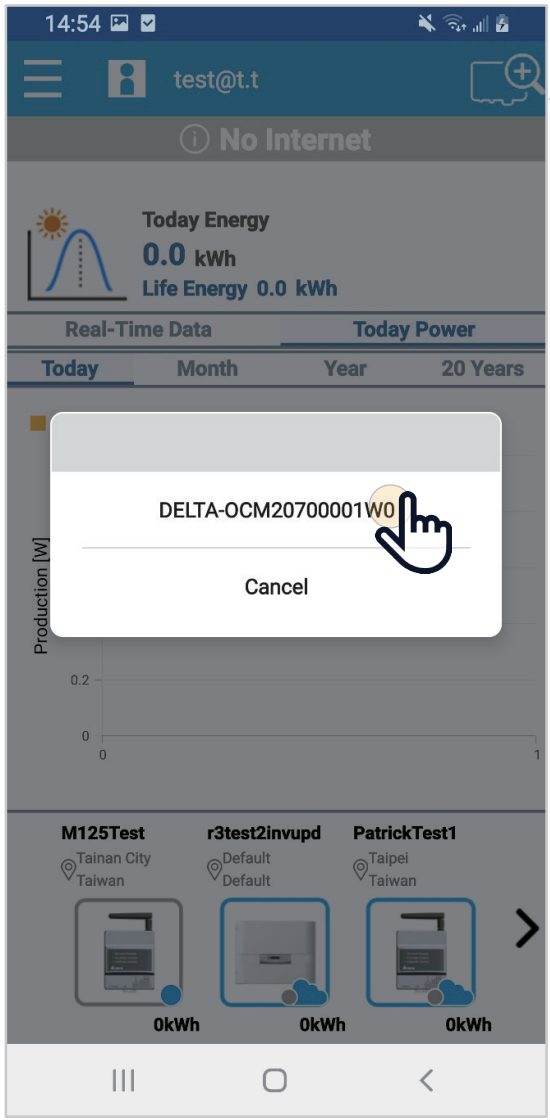
If user want this data collector uses delta cloud service, but it’s network connection is not set up yet. Show this page.

Please fill in the Wi-Fi’s password, then click “Connect” button.

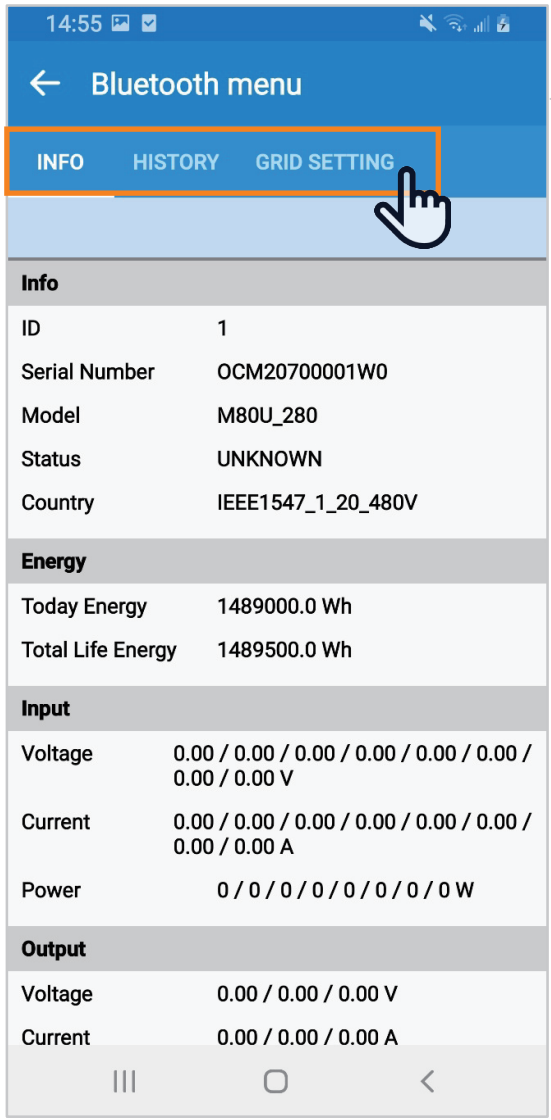

Use MyDeltaSolar Service terms and conditions :
You must need a MyDeltaSolar account in order to use our cloud services. Delta may collect your personal data and protect your privacy when you use MyDeltaSolar service. By using MyDletaSolar service, you agree that Delta can use such data and monitor your inverter's status if necessary. In some case, Delta employees, authorized contractors or agents may need to use your account to analyze any issue and problem you have while using Delta solar inverter or service. We restrict access to personal information to Delta employees, contractors and agents who need to know that information in order to process it for us, and who are subject to strict contractual confidentiality obligations and may be disciplined or terminated if they fail to meet these obligations.
I had read and agree this declaration
OK
Cloud
ASKA
TODAY ENERGY
0.1
kWh
TOTAL ENERGY : 0.1 kWh
Today
Month
Year
20 Years
5.0
4.0
3.0
2.0
1.0
0
04:00
08:00
12:00
16:00
20:00
1
Plant 1
France
0.1 kWh



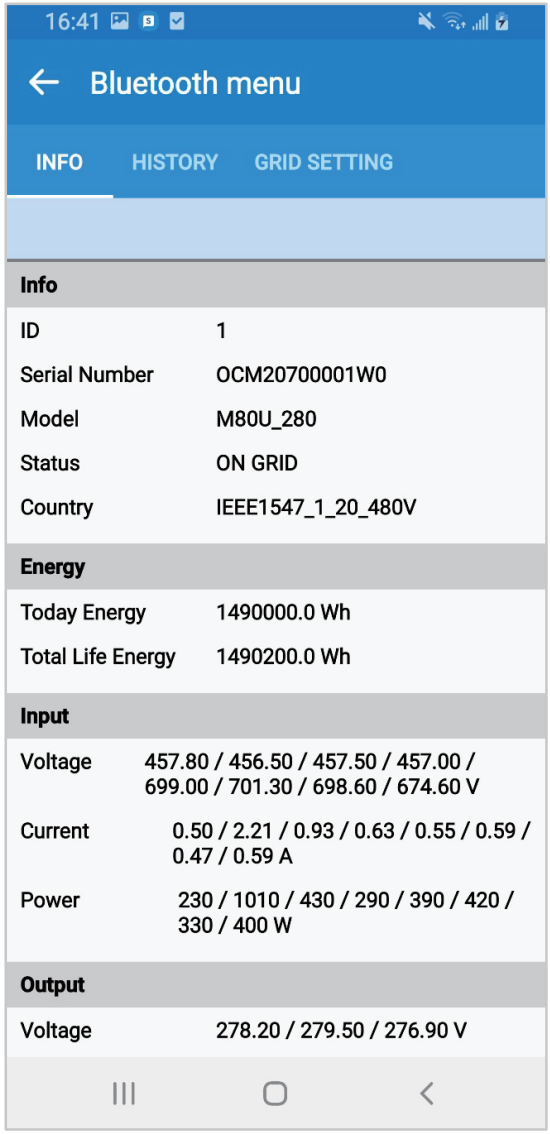
點選右上角來選擇藍芽裝置

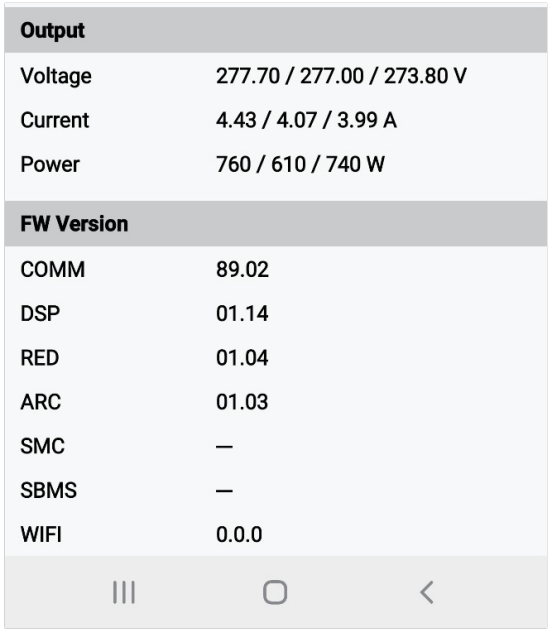

14:54
test@t.t
No Internet
Today Energy
0.0 kWh
Life Energy 0.0 kWh
Real-Time Data
Today Power
Today
Month
Year
20 Years
DELTA-OCM20700001W0
Cancel
Production [W]
0.2
0
0
1
M125Test
Tainan City
Taiwan
r3test2invupd
Default
Default
PatrickTest1
Taipei
Taiwan
0kWh
0kWh
0kWh

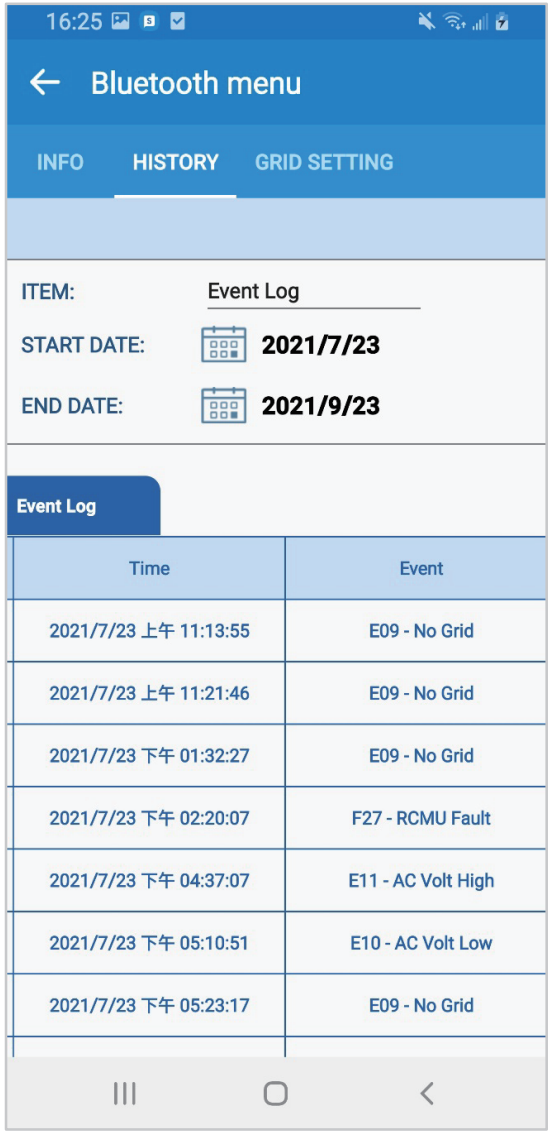
選擇藍芽裝置SSID


14:55
Bluetooth menu
INFO
HISTORY
GRID SETTING
Info
ID 1
Serial Number OCM20700001W0
Model M80U_280
Status UNKNOWN
Country IEEE1547_1_20_480V
Energy
Today Energy 1489000.0 Wh
Total Life Energy 1489500.0 Wh
Input
Voltage 0.00 / 0.00 / 0.00 / 0.00 / 0.00 / 0.00 / 0.00 / 0.00 V
Current 0.00 / 0.00 / 0.00 / 0.00 / 0.00 / 0.00 / 0.00 / 0.00 A
Power 0 / 0 / 0 / 0 / 0 / 0 / 0 / 0 W
Output
Voltage 0.00 / 0.00 / 0.00 V
Current 0.00 / 0.00 / 0.00 A

切換頁籤以確認資訊

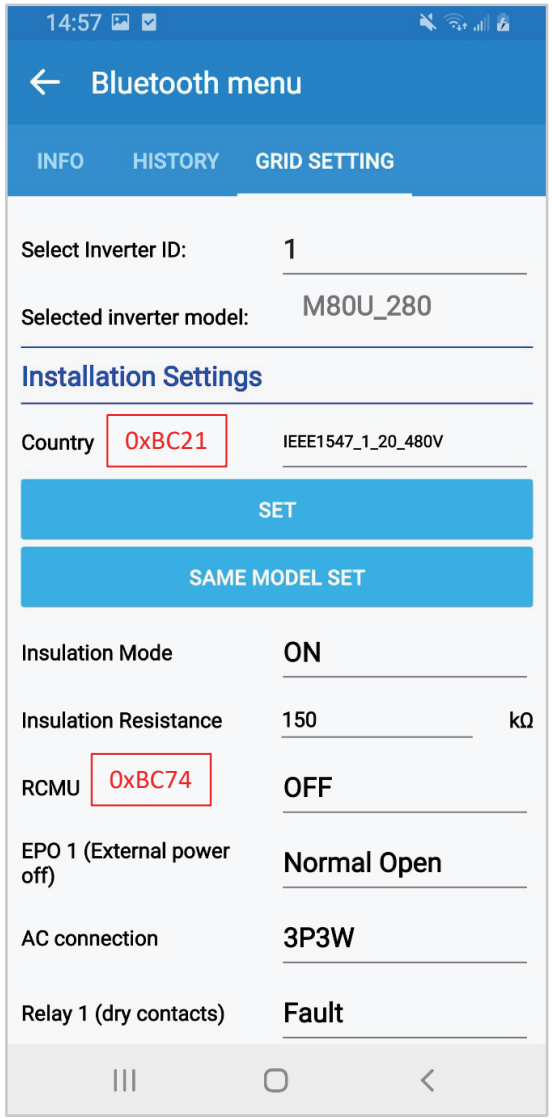

16:41
Bluetooth menu
INFO
HISTORY
GRID SETTING
Info
ID 1
Serial Number OCM20700001W0
Model M80U_280
Status ON GRID
Country IEEE1547_1_20_480V
Energy
Today Energy 1490000.0 Wh
Total Life Energy 1490200.0 Wh
Input
Voltage 457.80 / 456.50 / 457.50 / 457.00 / 699.00 / 701.30 / 698.60 / 674.60 V
Current 0.50 / 2.21 / 0.93 / 0.63 / 0.55 / 0.59 / 0.47 / 0.59 A
Power 230 / 1010 / 430 / 290 / 390 / 420 / 330 / 400 W
Output
Voltage 278.20 / 279.50 / 276.90 V

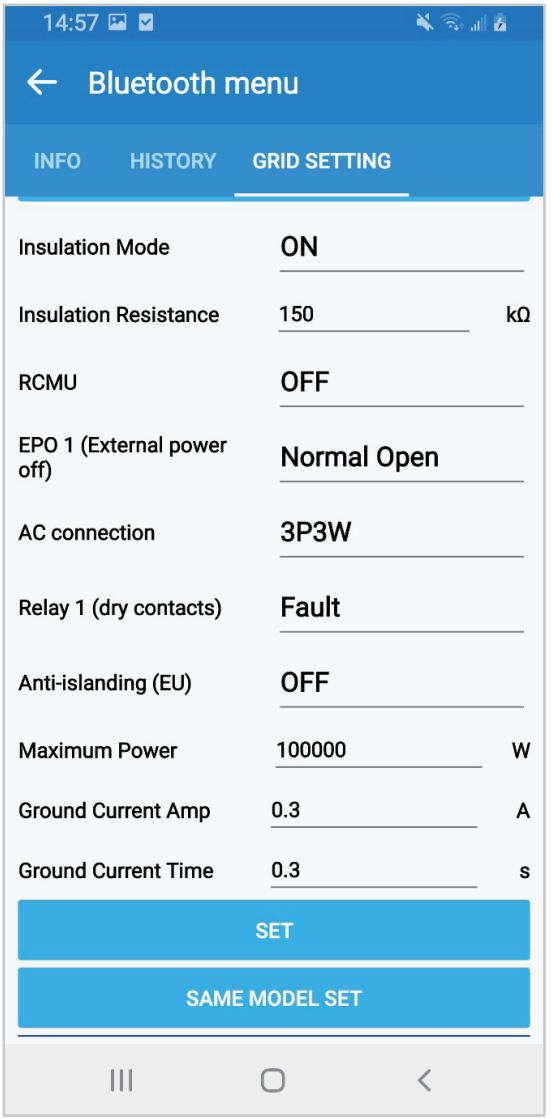

Output
Voltage 277.70 / 277.00 / 273.80 V
Current 4.43 / 4.07 / 3.99 A
Power 760 / 610 / 740 W
FW Version
COMM 89.02
DSP 01.14
RED 01.04
ARC 01.03
SMC —
SBMS —
WIFI 0.0.0


16:25
Bluetooth menu
INFO
HISTORY
GRID SETTING
ITEM: Event Log
START DATE: 2021/7/23
END DATE: 2021/9/23
Event Log
Time
Event
2021/7/23 上午 11:13:55
E09 - No Grid
2021/7/23 上午 11:21:46
E09 - No Grid
2021/7/23 下午 01:32:27
E09 - No Grid
2021/7/23 下午 02:20:07
F27 - RCMU Fault
2021/7/23 下午 04:37:07
E11 - AC Volt High
2021/7/23 下午 05:10:51
E10 - AC Volt Low
2021/7/23 下午 05:23:17
E09 - No Grid


16:25
Bluetooth menu
INFO
HISTORY
GRID SETTING
2021/9/2 下午 04:56:57
E10 - AC Volt Low
2021/9/2 下午 05:19:23
E09 - No Grid
2021/9/7 上午 11:14:24
E10 - AC Volt Low
2021/9/7 上午 11:14:34
E09 - No Grid
2021/9/8 下午 02:25:44
E09 - No Grid
2021/9/8 下午 02:29:37
E09 - No Grid
2021/9/8 下午 02:30:32
E10 - AC Volt Low
2021/9/8 下午 02:30:47
E02 - AC Freq Low
2021/9/8 下午 04:34:14
E09 - No Grid
2021/9/8 下午 08:19:17
E09 - No Grid
2021/9/14 下午 01:26:56
E01 - AC Freq High
2021/9/14 下午 01:36:24
E10 - AC Volt Low
2021/9/14 下午 01:41:04
E10 - AC Volt Low
2021/9/14 下午 01:49:08
E10 - AC Volt Low


2021/9/14 下午 01:50:59
E09 - No Grid
2021/9/16 上午 10:54:19
E01 - AC Freq High
2021/9/16 上午 11:07:18
E09 - No Grid
2021/9/16 下午 12:54:05
F27 - RCMU Fault
2021/9/16 下午 01:00:58
E09 - No Grid
2021/9/16 下午 04:39:08
E09 - No Grid
2021/9/23 下午 02:59:56
E25 - EPO
2021/9/23 下午 04:10:19
E09 - No Grid
2021/9/23 下午 04:16:57
F58 - Arc Circuit Fault


14:57
Bluetooth menu
INFO
HISTORY
GRID SETTING
Select Inverter ID:
1
Selected inverter model:
M80U_280
Installation Settings
Country
0xBC21
IEEE1547_1_20_480V
SET
SAME MODEL SET
Insulation Mode
ON
Insulation Resistance
150
kΩ
RCMU
0xBC74
OFF
EPO 1 (External power off)
Normal Open
AC connection
3P3W
Relay 1 (dry contacts)
Fault


14:57
Bluetooth menu
INFO
HISTORY
GRID SETTING
Insulation Mode
ON
Insulation Resistance
150
kΩ
RCMU
OFF
EPO 1 (External power off)
Normal Open
AC connection
3P3W
Relay 1 (dry contacts)
Fault
Anti-islanding (EU)
OFF
Maximum Power
100000
W
Ground Current Amp
0.3
A
Ground Current Time
0.3
s
SET
SAME MODEL SET

Smarter. Greener. Together.

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