

APS ECU Quick Installation Guide

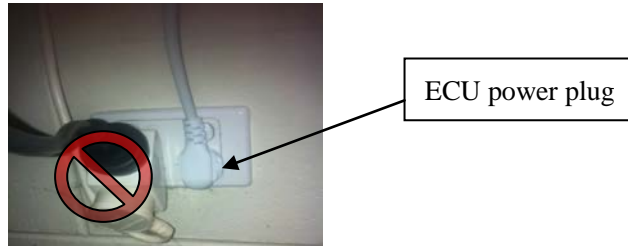
(For ECU-3 V3.7)

Version: 3.0

Step 1: Power-on ECU

Plug the AC power cord into the AC input on the ECU, and then plug the other end into a **dedicated wall outlet** (NOT power strip, NOT surge protector, NOT UPS).

Warning: Do not plug any electrical devices into the same outlet that the ECU is connected to.



Warning: Do not plug the ECU into a power strip, surge protector, or uninterruptable power supply (UPS). Keep those devices far away from ECU. Those devices can substantially diminish PLC communication performance.

Step 2: Connect ECU to Internet

Option 1: LAN connection - use the LAN Cable to connect ECU to a Broadband Router.

Option 2: WiFi connection – use WiFi bridge to connect ECU to a Broadband Router.

- Configure the WiFi Bridge to connect to Wireless Router, please refer to WiFi Bridge User Manual
- Connect the RJ45 LAN Cable and USB Cable on WiFi Bridge to the RJ45 Port and USB Port on ECU

ECU will automatically obtain the IP address, such as: 139.168.200.56, and connect to Internet. *If the IP address shows “60.190.131.228”, it means ECU failed to get IP address. Make sure the connection between ECU and Router is working well, reboot ECU, it will obtain IP address.*

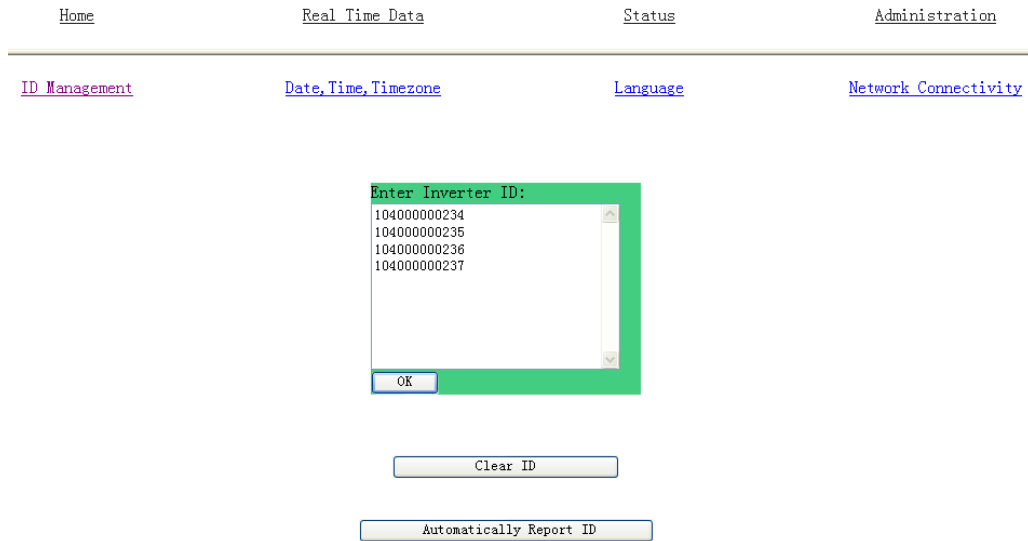
Step 3: Connect micro-inverters to ECU. ECU will automatically detect micro-inverters through the powerline.

- 1) Using a computer that is connected to the internet, enter the IP address from the ECU display into the Internet Browser. This should bring up the screen below:

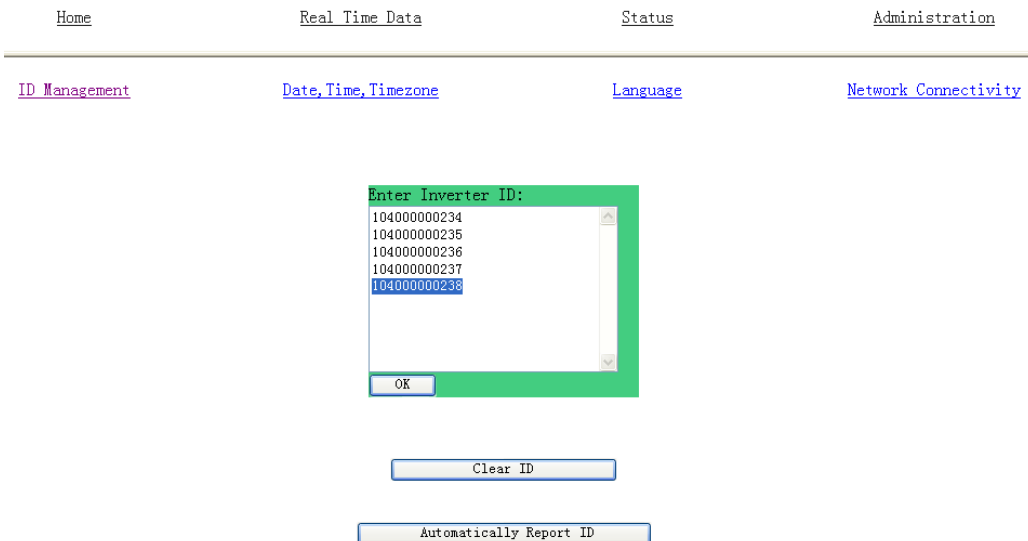
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ECU ID	100000000002
Lifetime generation	732.0 kWh
Current Power	1905 W
Generation Of Current Day	14.4 kWh
Last connection to website	2013-05-02 01:07:29
Number of Inverters	8
Number of Inverters Online	8
Current Software Version	V3.7
Database Size	9695 kB
Current Timezone	Asia/Shanghai
ECU Mac Address	80:97:1B:10:00:02

- 2) Wait a few minutes, click “Administration”, then click “ID management”, the page will automatically display the connected inverter ID.



- 3) If the number of inverter ID displayed on the page is less than the actual number of inverters installed, please enter the lost inverters ID to “Input Inverter ID” section.



- 4) If the number of inverter ID displayed on the page is more than the actual number of inverters installed, please remove the redundant inverters ID from “Input Inverter ID” section.

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Enter Inverter ID:

- 10400000234
- 10400000235
- 10400000236
- 10400000237
- 10400000238
- 10400000239

OK

Clear ID

Automatically Report ID

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Enter Inverter ID:

- 10400000234
- 10400000235
- 10400000236
- 10400000237
- 10400000238

OK

Clear ID

Automatically Report ID

5) If the inverter ID displayed on the page is discrepancy with the actual inverters ID installed, please modified the wrong inverters ID from “Input Inverter ID” section.

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Enter Inverter ID:

- 10400000234
- 10400000235
- 10400000236
- 10400000237
- 10400000999

OK

Clear ID

Automatically Report ID

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Enter Inverter ID:

104000000234
 104000000235
 104000000236
 104000000237
 104000000238

OK

6) Click "OK", ID will be updated in ECU.

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total:5

104000000234
104000000235
104000000236
104000000237
104000000238

Step 4: check power of the micro-inverters

- 1) Click "Real Time Data" from the ECU Home, to view the real-time power of all micro-inverters.
- 2) If a micro-inverter does not show up, replace it.
- 3) If a micro-inverter shows abnormal power different from others, e.g. 2W, replace it.

Step 5: Configure time-zone

- Click "Administration", then "Date, Time, Time-zone"