ECU-3 Energy Communication Unit Quick Installation Guide

Version: 4

This guide is for reference only and assumes you have access to, and have read the detailed instructions in the ECU-3 Users Manual (available at APsystems.com).

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.

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

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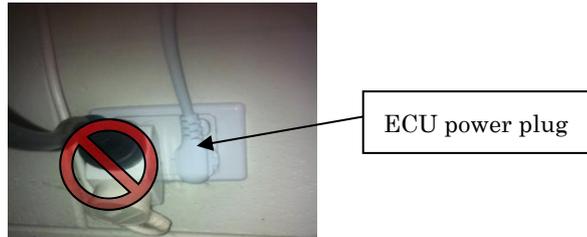
Warning: Do not plug the ECU into a power strip, surge protector, or uninterruptable power supply (UPS).Keep those devices far away from ECU. Those devices can substantially diminish PLC communication performance.

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.

- Keep pressing the button "Menu" until the screen shows "Turn on LWA". Then the LWA function of ECU is opened.
- Turn on the Wi-Fi function on PC. Connect to the ECU's Wi-Fi named with ECU-WIFI_xxxx(the"xxxx" refers to the last 4 numbers of the ECU ID), and connect. The first connection has no password.
- Open an internet browser and enter the IP address 172.30.1.1 into the URL search field. Click "Administration" - "WLAN", and turn on the WLAN function, then connect to the router via WiFi. For details, please refer to ECU-3 user manual.

LAN IP address

L: 192.168.1.101
W: 192.168.1.102

Wireless IP address
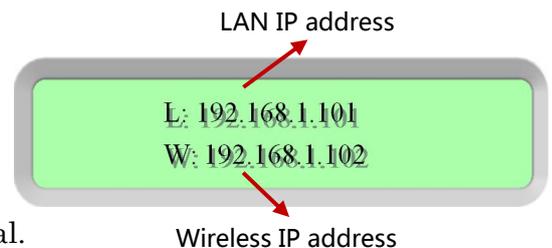
The ECU will automatically obtain the LAN IP address, such as: 192.168.1.101, and connect to the internet. *If the LAN IP address shows "192.168.131.228", it means the ECU failed to get IP address. Make sure the connection between ECU and Router is working well, then reboot ECU and it will obtain IP address.*

Step 3: Connect microinverters to ECU.

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

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2) Click *"Administration"*, then click *"ID management"*, and enter the inverter IDs into the ID Management box, or use the Scanning Gun to scan the inverter IDs and copy into the ID Management box. Or using the EMA App, scan the inverter IDs by mobile phone.

3) Click *"Update"*, and the ID will be updated in the ECU.

Step 4: Check power of the microinverters

1) Click *"Real Time Data"* from the ECU Home, to view the real-time data of all microinverters.

2) If a microinverter does not show up, please confirm if the inverter's ID is correctly input.

Step 5: Configure time-zone

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

Product information is subject to change without notice.

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