



User Guide

Energy Monitoring & Analysis (EMA) APP

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INTRODUCTION

The EMA App is a mobile energy monitoring application designed to be used by owners of APsystems microinverter products. Users can check the real-time performance, historical power output, and environmental benefits of their PV system from their iOS-based mobile device.

Software Requirements:

- iOS 7.0 or later
- An APsystems EMA account (check with your installer if you do not have a registered EMA account)

DOWNLOAD AND LOGIN TO THE EMA APP

The EMA App is a mobile energy monitoring application designed to be used by owners of APsystems microinverter products. Users can check the real-time performance, historical power output, and environmental benefits of their PV system from their iOS-based mobile device.

Download the EMA App

1. Search for EMA App in the Apple App Store.
2. Download the EMA App.

NOTE: The EMA App requires iOS 7.0 or later



Login

1. Enter your EMA account Username and Password.
2. Select the “Login” button.

NOTE: The EMA App saves your Username and Password the first time you log in.



The Home page is displayed.

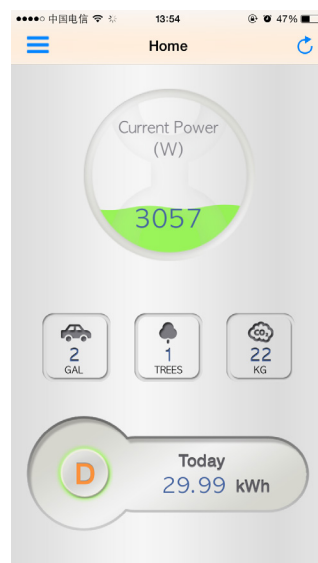


Figure 1

FUNCTIONALITY

To View Real-time Output Power (iPhone 5 and Later)

1. Login to the EMA App.

The Home page is displayed.

- Current power (in Watts) is displayed in the “Power Ball”
- Environmental Benefits (Gallons of gas, Trees, and CO2 emissions)
- Power Scale Indicator (Day, Month, Year, Lifetime)

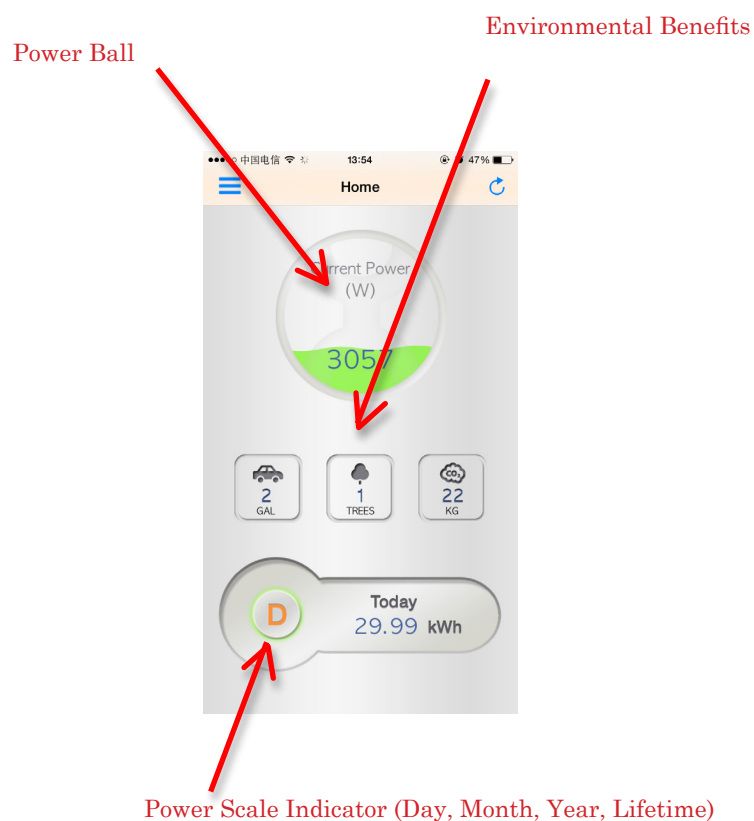


Figure 2

FUNCTIONALITY

To View Real-time Output Power (iPhone 4 and 4s)

1. Log in to the EMA App.

The Home page is displayed.

- Current power (in Watts) is displayed in the “Power Ball”.
- Environmental Benefits (Gallons of gas, Trees, and CO2 emissions)
- Power Scale Indicator (Day, Month, Year, Lifetime)

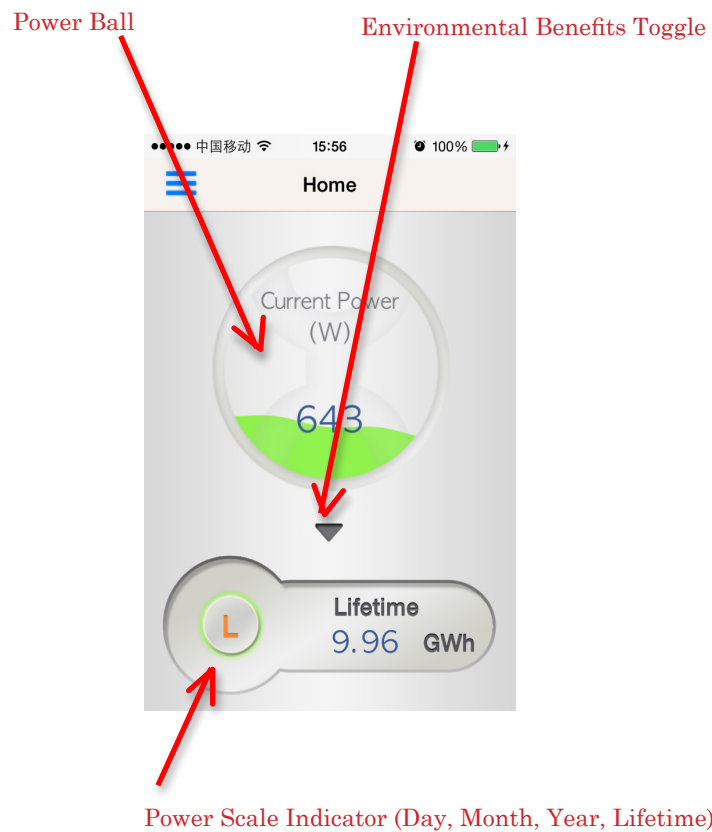


Figure 3

FUNCTIONALITY

2. Click on the *Environmental Benefits Toggle* to view the environmental benefits.

The environmental benefits are displayed.

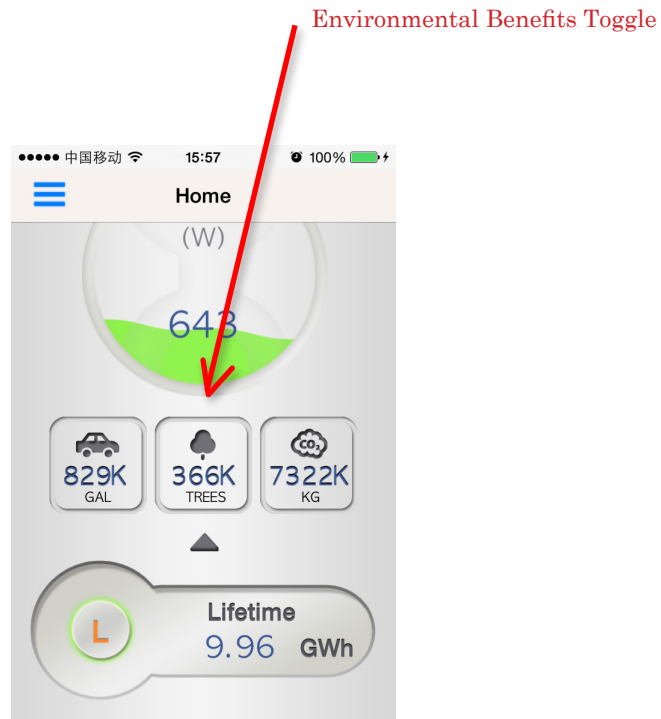


Figure 4

NOTE: You can toggle the environmental benefits on and off, allowing you to manage the display.



FUNCTIONALITY

To View Historical Output Power and Environmental Benefits

1. Log in to the EMA App.
2. Click the “D” button inside the *Power Scale Indicator* to toggle between D = Day, M = the 30-day period prior to “Today”, Y = the 12-month period prior to “Today”, L = Lifetime power production.



Figure 5

Power Scale Indicator (Day, Month, Year, Lifetime)

FUNCTIONALITY

To View System Performance

1. Click on the *Functionality Selection* button in the upper left corner of your display.

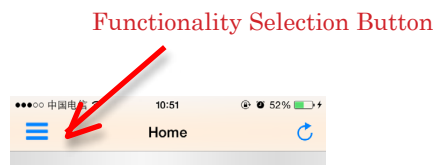


Figure 6

2. Select *Performance*.
3. Click “*Date*” button, and select the date to view.



Figure 7

FUNCTIONALITY

NOTE: The two arrows on either side of the specified date can be used to select days to either side of the specified date.



To View Historical System Performance

1. Login to the EMA App.
2. Select the button inside the Power Scale Indicator to toggle between D = Specified Date, M = the 30-day period prior to the Specified Date, Y = the 12-month period prior to the Specified Date, L = Lifetime power production.

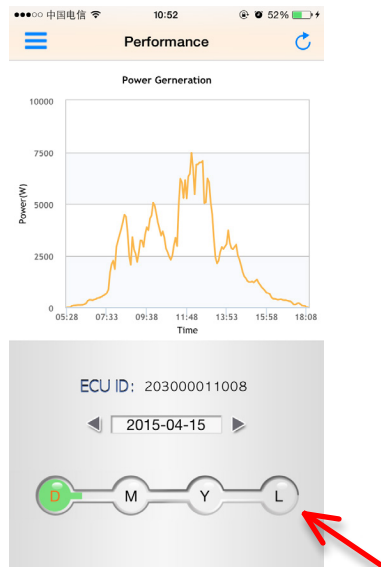


Figure 8

Power Scale Indicator
(Day, Month, Year,
Lifetime)

SETTINGS

To View Account Information

1. Click on the *Functionality Selection* button in the upper left corner of your display.

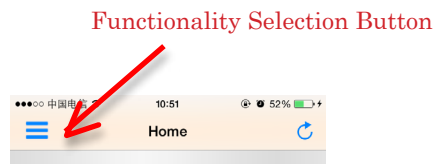


Figure 9

2. Select *Settings*.

The Settings page is displayed.

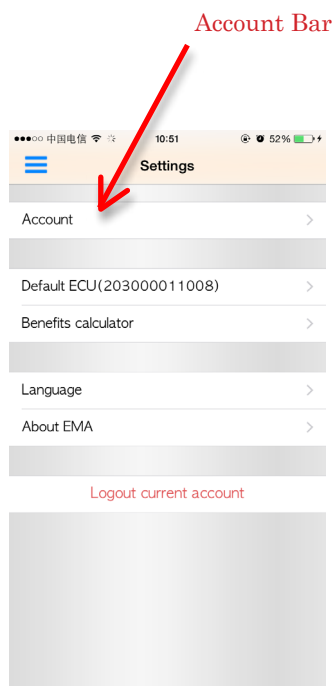
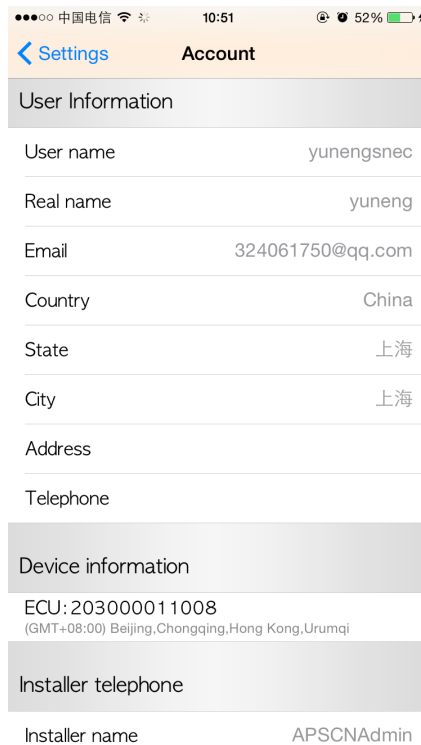


Figure 10

3. Select *Account*.

SETTINGS

The Account page is displayed.



Account

User Information

User name yunengsnec

Real name yuneng

Email 324061750@qq.com

Country China

State 上海

City 上海

Address

Telephone

Device information

ECU: 203000011008
(GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi

Installer telephone

Installer name APSCNAdmin

Figure 11

To Set the Default ECU

If you have multiple ECUs, you can set which one the EMA App is displayed as the default.

1. Click on the *Functionality Selection* button in the upper left corner of your display.

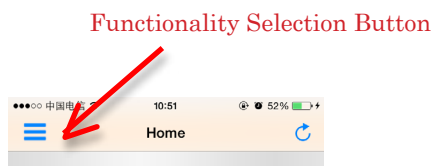


Figure 12

SETTINGS

2. Select *Settings*.

The Settings page is displayed.

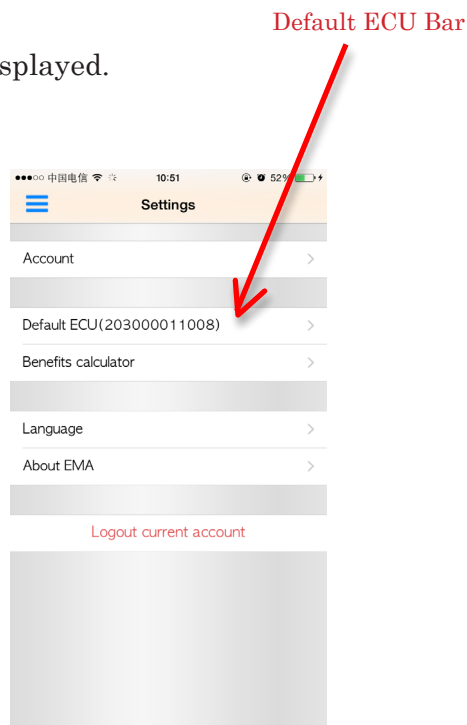


Figure 13

3. Select *Default ECU*.

The Default ECU page is displayed.

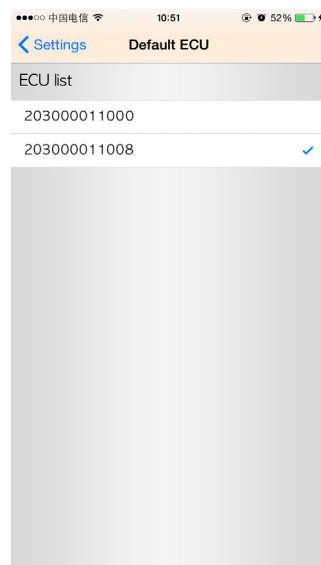


Figure 14

4. Select the ECU you want displayed as the default.

SETTINGS

To Set and View the Financial Benefits Calculator

1. Click on the *Functionality Selection* button in the upper left corner of your display.

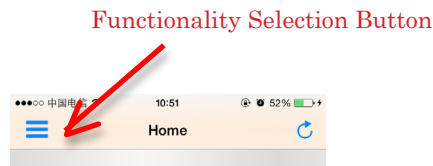


Figure 15

2. Select *Settings*.

The Settings page is displayed.

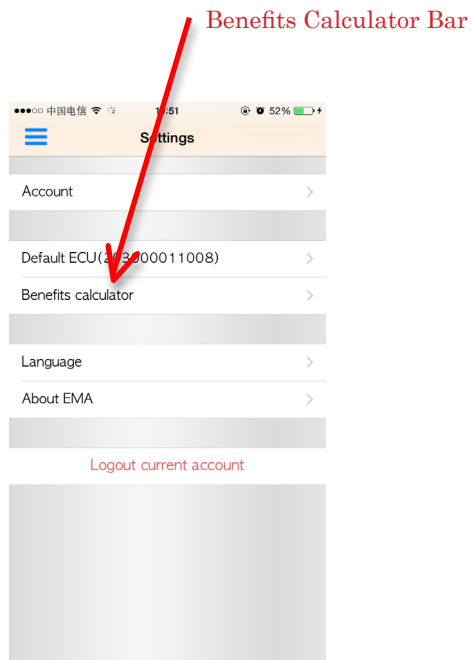


Figure 16

3. Select *Benefits calculator*.

The Benefits calculator page is displayed.

SETTINGS

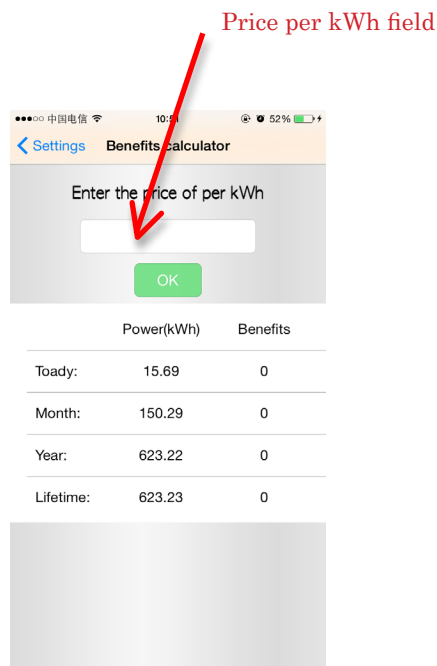


Figure 17

4. Enter the price per kilowatt hour from your local utility.
5. Press “OK”.

To Set the Default Language

1. Click on the *Functionality Selection* button in the upper left corner of your display.

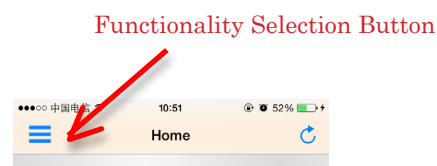


Figure 18

2. Select *Settings*.

The Settings page is displayed.

SETTINGS

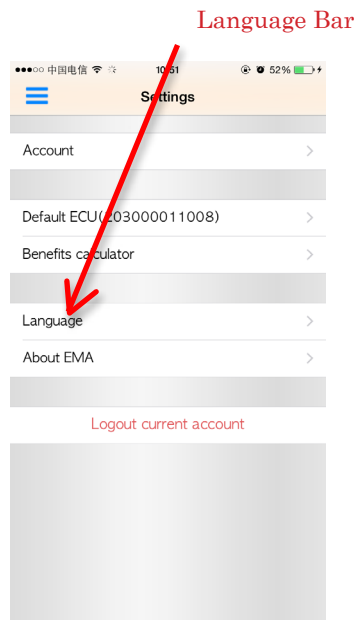


Figure 19

3. Select *Language*.

The Language page is displayed.



Figure 20

4. Select the language you want set as the default.

NOTE: The application automatically returns to the main home page once a default language has been selected.



SETTINGS

To Log Out of Your Account

1. Click on the *Functionality Selection* button in the upper left corner of your display.
2. Select *Settings*.

The Settings page is displayed.

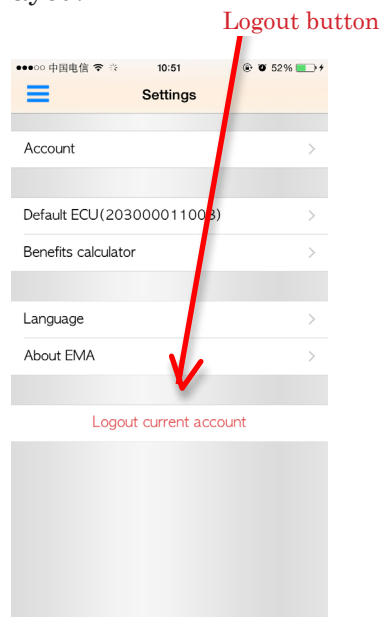


Figure 21

3. Select *Logout current account*.

The Logout Confirmation page is displayed.

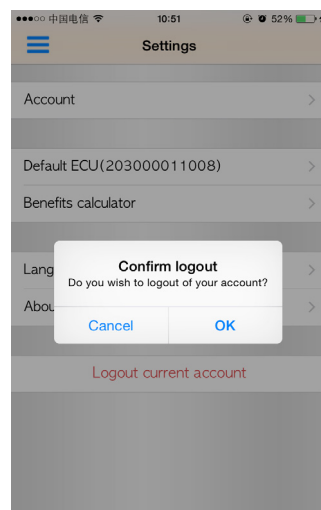


Figure 22

4. Press "OK" to confirm logout.