



# User Guide

## Energy Monitoring & Analysis (EMA) APP

Version 1.0 7/2015

APsystems  
600 Ericksen Ave. NE Ste 200  
Seattle, WA 98110  
TEL: 844-666-7035      EMAIL: [info@APsystems.com](mailto:info@APsystems.com)  
WEB: [www.APsystems.com](http://www.APsystems.com)

© All Rights Reserved

# TABLE OF CONTENTS

Introduction .....	1
Download and login to the EMA App.....	2
Funcionality.....	3
Settings.....	9

# 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.

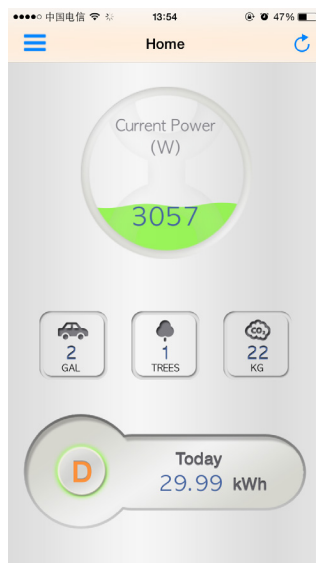


Figure 1

# 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)

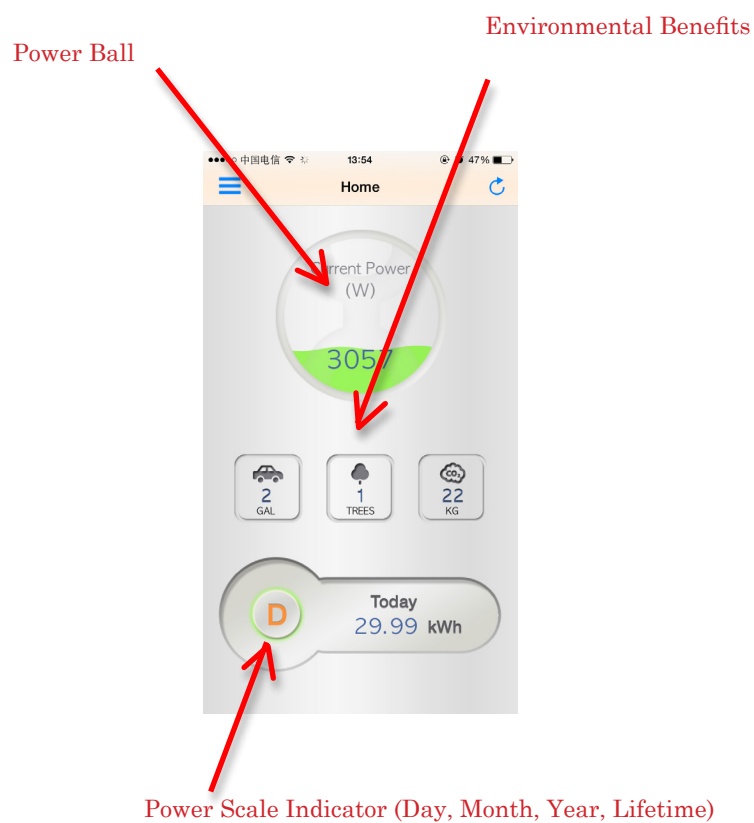


Figure 2

## 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)

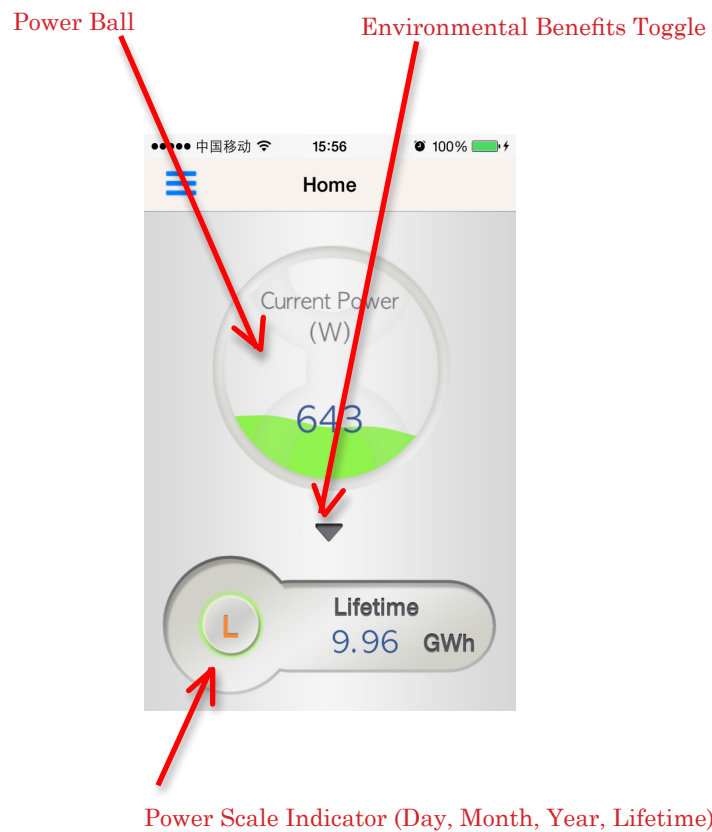


Figure 3

# FUNCTIONALITY

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

The environmental benefits are displayed.

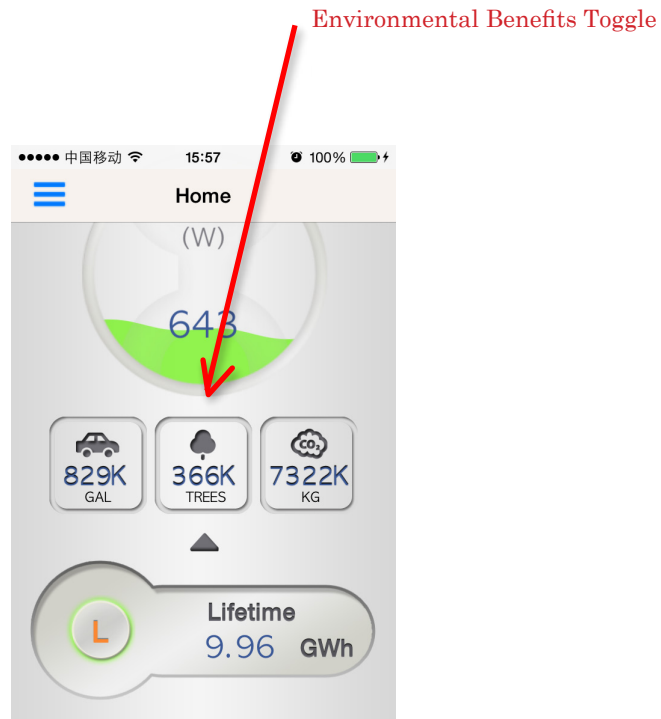


Figure 4

---

**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.

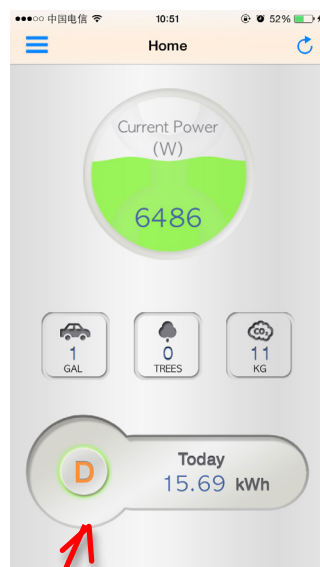


Figure 5

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.

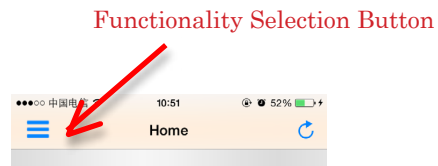


Figure 6

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

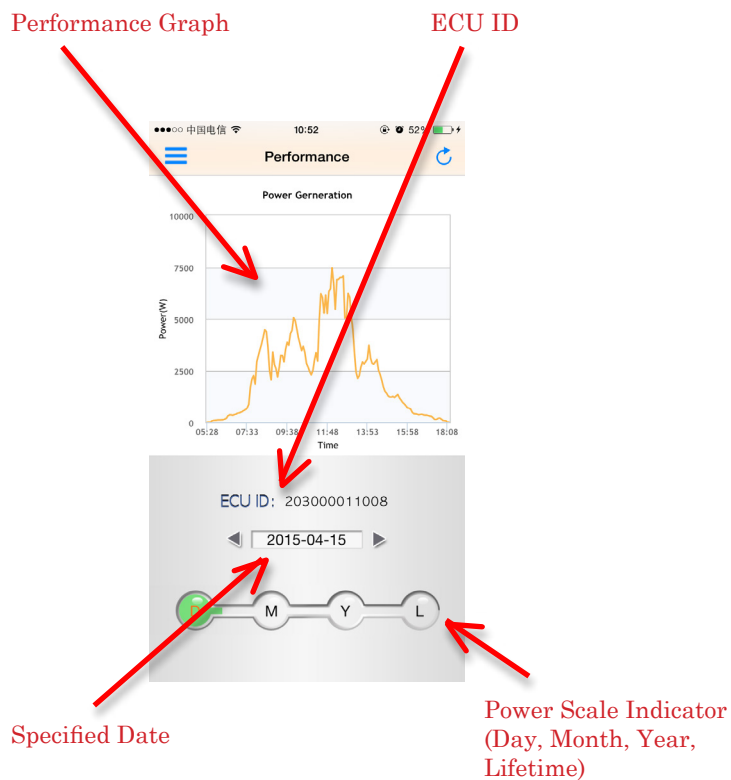


Figure 7

# 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.

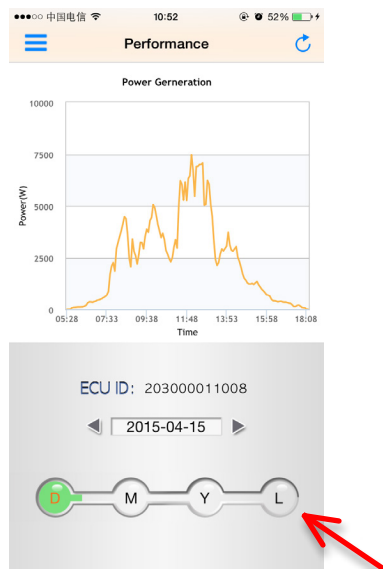


Figure 8

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.

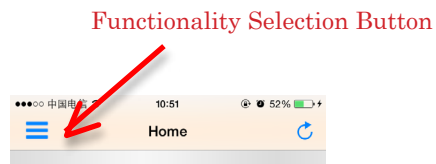


Figure 9

2. Select *Settings*.

The Settings page is displayed.

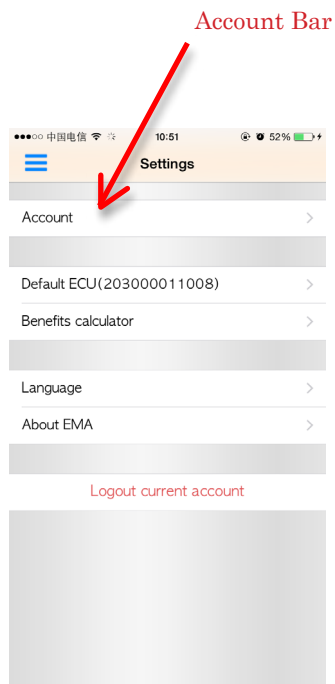


Figure 10

3. Select *Account*.

# SETTINGS

The Account page is displayed.

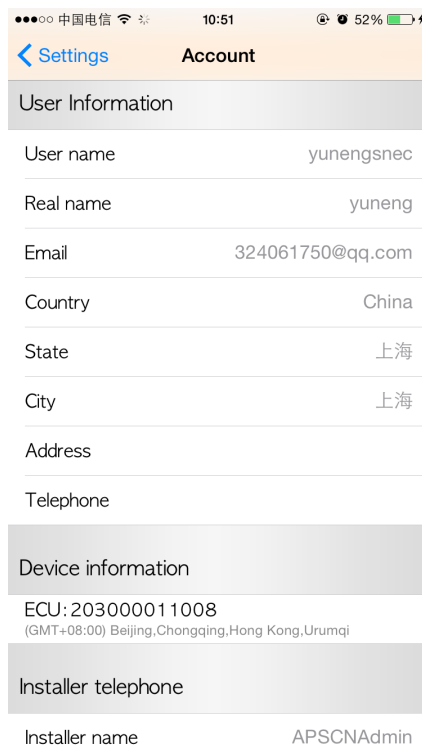


Figure 11

## 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.

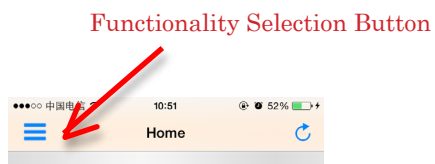


Figure 12

# SETTINGS

2. Select *Settings*.

The Settings page is displayed.

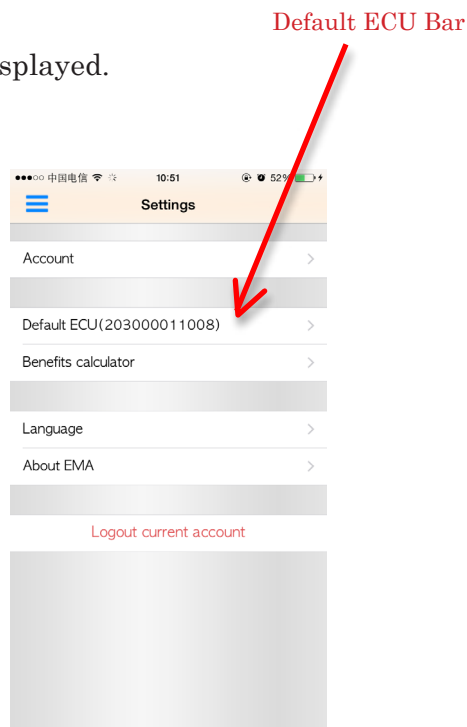


Figure 13

3. Select *Default ECU*.

The Default ECU page is displayed.

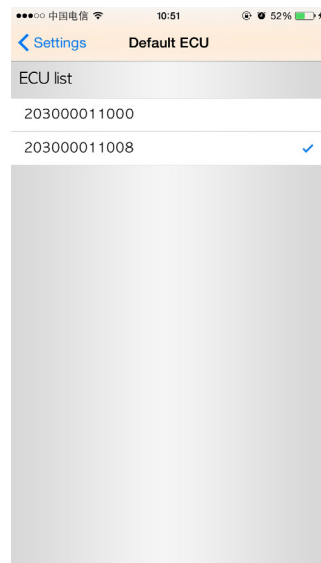


Figure 14

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.

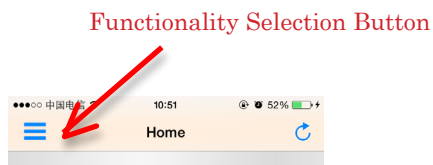


Figure 15

2. Select *Settings*.

The Settings page is displayed.

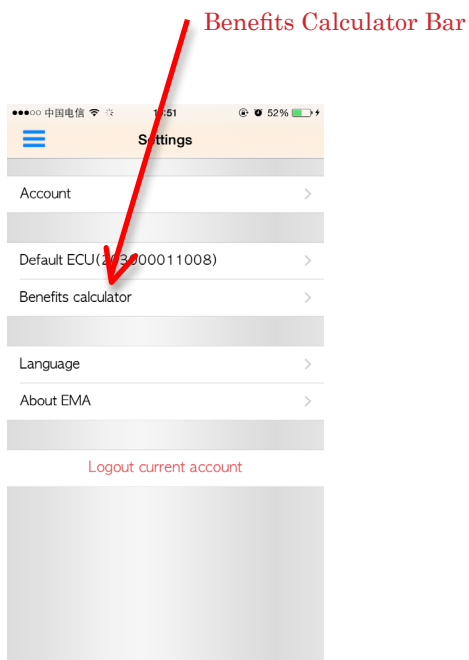


Figure 16

3. Select *Benefits calculator*.

The Benefits calculator page is displayed.

# SETTINGS

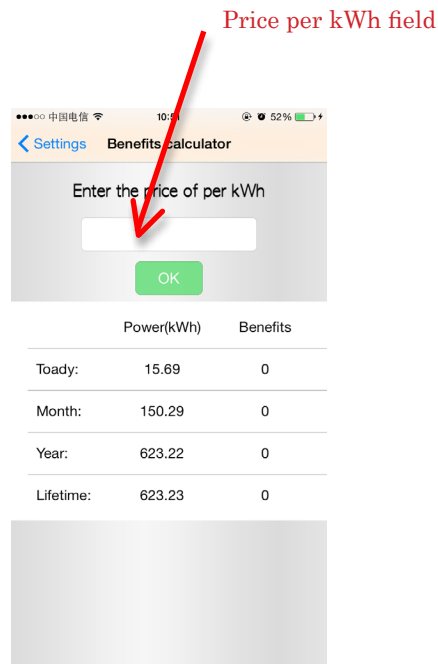


Figure 17

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.

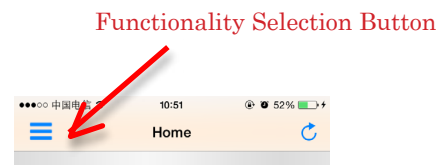


Figure 18

2. Select *Settings*.

The Settings page is displayed.

# SETTINGS

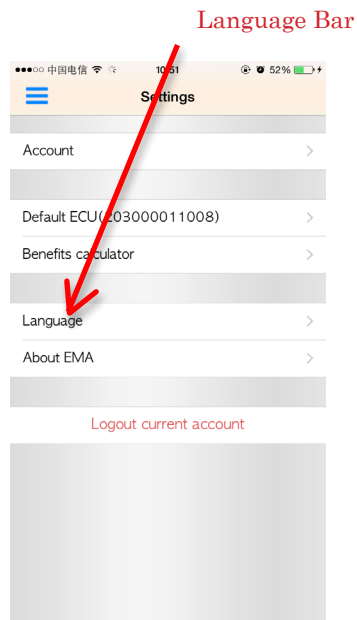


Figure 19

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.

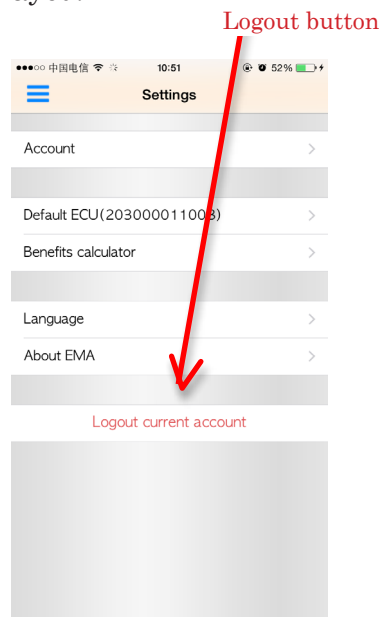


Figure 21

3. Select *Logout current account*.

The Logout Confirmation page is displayed.

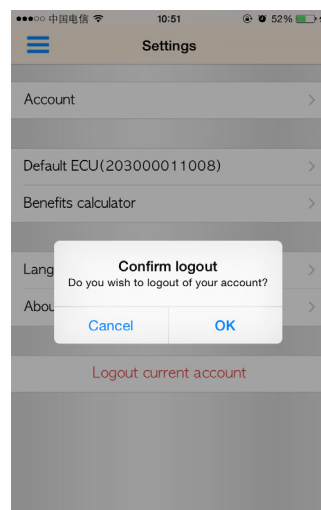


Figure 22

4. Press "OK" to confirm logout.