



**APS**  
**Online Energy Management Analysis (EMA)**  
**Website**  
**User Guide (Customer)**

Version: 2.0

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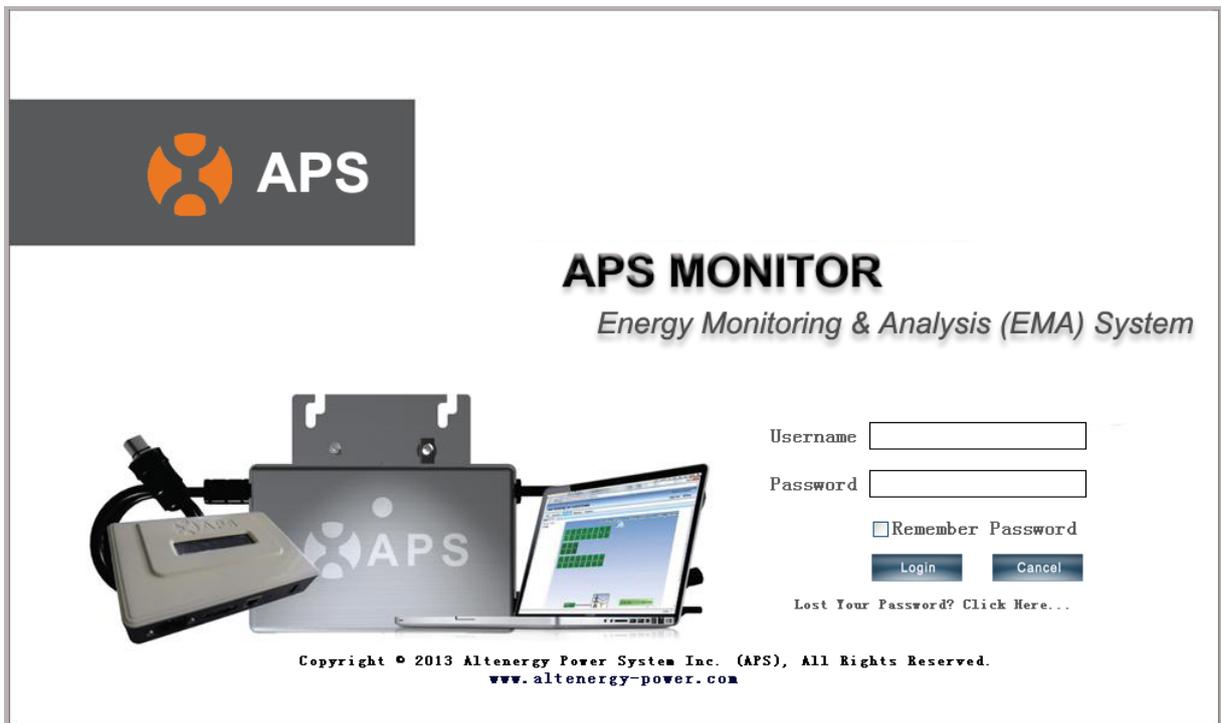
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# To Log onto Energy Management Analysis (EMA) Website

1. Go to <http://www.apsema.com>

A LOGON page is displayed.



Note: You will be issued a permanent Username, and a temporary Password via email when your system is initially registered.

2. Enter your Username.
3. Enter your Password.

Note: Both your Username and Password are case sensitive.

4. Press *Login* Button.

The DASHBOARD is displayed.



**APS** ENERGY MONITORING & ANALYSIS



DASHBOARD



MODULE PERFORMANCE



FAQ

Settings | Sign out



System Status

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**DASHBOARD**

TODAY | WEEK | MONTH | YEAR | LIFETIME

**User Account**

test, Customer  
Jiaxiang, Zhejiang, China

Dashboard --> Today

ECU ID: 203000008182
TODAY POWER GENERATION
2013-12-31
Query



CURRENT SOLAR GENERATION



0.00kWh
TODAY SOLAR GENERATED

2014-01-13 15:02:14

TODAY'S REVENUE SAVED AND EARNED

SAVED \$6.897

TODAY'S ENVIRONMENTAL BENEFITS

CO2 Offset Equivalent to:



0 GALLONS



0 TREES



4 KG

Contact information:  
 Installer: Altenergy power system Inc  
 **APS**  
 Telephone: +86 400 100 8470  
 Email: [emasupport@altenergy-power.com](mailto:emasupport@altenergy-power.com)

# An Introduction to Your Dashboard

Dashboard Timeframe Tab      Functionality Icons      Settings Tab      System Status

DASHBO: RD      User Account  
 TODAY | WEEK | MONTH | YEAR | LIFETIME      test, Customer  
 Jiaxiang, Zhejiang, China



Power Graph

2014-01-13 15:02:14

**TODAY'S REVENUE SAVED AND EARNED**

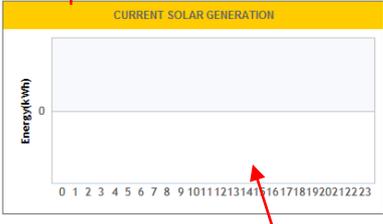
SAVED \$6,897

**TODAY'S ENVIRONMENTAL BENEFITS**

C02 Offset Equivalent to:

- 0 GALLONS
- 0 TREES
- 4 KG

Power Equivalents



Current Generation

0.00kWh      TODAY SOLAR GENERATED

Total Power Generated

Contact information:  
 Installer: Altenergy power system Inc  
**APS**  
 Telephone: +86 400 100 8470  
 Email: [emasupport@altenergy-power.com](mailto:emasupport@altenergy-power.com)

The screenshot shows the APS Energy Monitoring & Analysis dashboard. At the top, there is a navigation bar with icons for DASHBOARD, MODULE PERFORMANCE, and FAQ. A 'System Status' icon is green, indicating the system is operating as expected. The main content area features a large line graph titled 'TODAY POWER GENERATION' showing power (W) over time (09:00 to 16:00). Below this is a 'CURRENT SOLAR GENERATION' graph showing energy (kWh) over 24 hours. To the right, there is a summary section for 'TODAY'S REVENUE SAVED AND EARNED' (SAVED \$6.897) and 'TODAY'S ENVIRONMENTAL BENEFITS' (0 CO2 Offset Equivalent, 0 GALLONS, 0 TREES, 4 KG). At the bottom right, there is contact information for the installer, Altenergy power system inc.

**Dashboard Timeframe Tab:** Tab allows you to select the timeframe for the dashboard: TODAY, WEEK, MONTH, YEAR, LIFETIME.

**Functionality Icons:** Select area of the site you want to view: DASHBOARD, MODULE PERFORMANCE, FAQ.

**Settings Tab:** Where you change your personal information, including your password.

**System Status:** (1) Green – everything is operating and reporting in as expected.  
 (2) Yellow – typically, everything is OK, but may have missed a scheduled report. Is a warning that system may have a problem. Check back later to see if it goes Green or Red.  
 (3) Red – There is a system malfunction that should be investigated by your dealer.

**Power Graph:** Graphic representation of the power generated for the specific enquiry.

**Current Generation:** Graphic representation of the current energy being generated.

**Total Power Generated:** The total power generated for the specified timeframe (Dashboard Timeframe Tab).

**Power Equivalents:** Represents the “financial and environmental” equivalent benefits and savings.

**ECU ID:** This is the ECU ID that is assigned to your system.

**QUERY Date:** Select query date.

**Query Button:** Click on the Query Button once you have the ECU, timeframe and date selected to get information for that specific enquiry.

**Your Installer:** This is the contact information for the dealer who installed your system.

# To View Modules

1. Log onto the EMA website.

MODULE PERFORMANCE Icon

The DASHBOARD is displayed.

**APS ENERGY MONITORING & ANALYSIS**

**DASHBOARD** **MODULE PERFORMANCE** **FAQ** Settings | Sign out System Status

**DASHBOARD** TODAY | WEEK | MONTH | YEAR | LIFETIME **User Account** test, Customer Jiaxiang, Zhejiang, China

Dashboard -> Today

ECU ID: 20300008182 TODAY POWER GENERATION 2013-12-31 Query

Power(W)

Time	Power (W)
09:00	100
10:00	400
11:00	700
12:00	1200
13:00	1000
14:00	500
15:00	400
16:00	200

0 250 500 750 1000 1250 1500

09:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00

2014-01-13 15:02:14

**TODAY'S REVENUE SAVED AND EARNED**

SAVED \$6.897

**TODAY'S ENVIRONMENTAL BENEFITS**

C02 Offset Equivalent to:

- 0 GALLONS
- 0 TREES
- 4 KG

0.00kWh TODAY SOLAR GENERATED

Energy(kWh)

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

Contact information:  
Installer: Altenergy power system inc  
**APS**  
Telephone: +86 400 100 8470  
Email: [emasupport@altenergy-power.com](mailto:emasupport@altenergy-power.com)

2. Select the MODULE PERFORMANCE icon at the top of the page.

The Module Configuration and Power page is displayed.

The screenshot displays the APS Energy Monitoring & Analysis software interface. At the top, the APS logo and "ENERGY MONITORING & ANALYSIS" text are on the left. Navigation icons for "DASHBOARD", "MODULE PERFORMANCE" (highlighted), and "FAQ" are in the center. On the right, there are links for "Settings | Sign out" and a "System Status" indicator with a green checkmark.

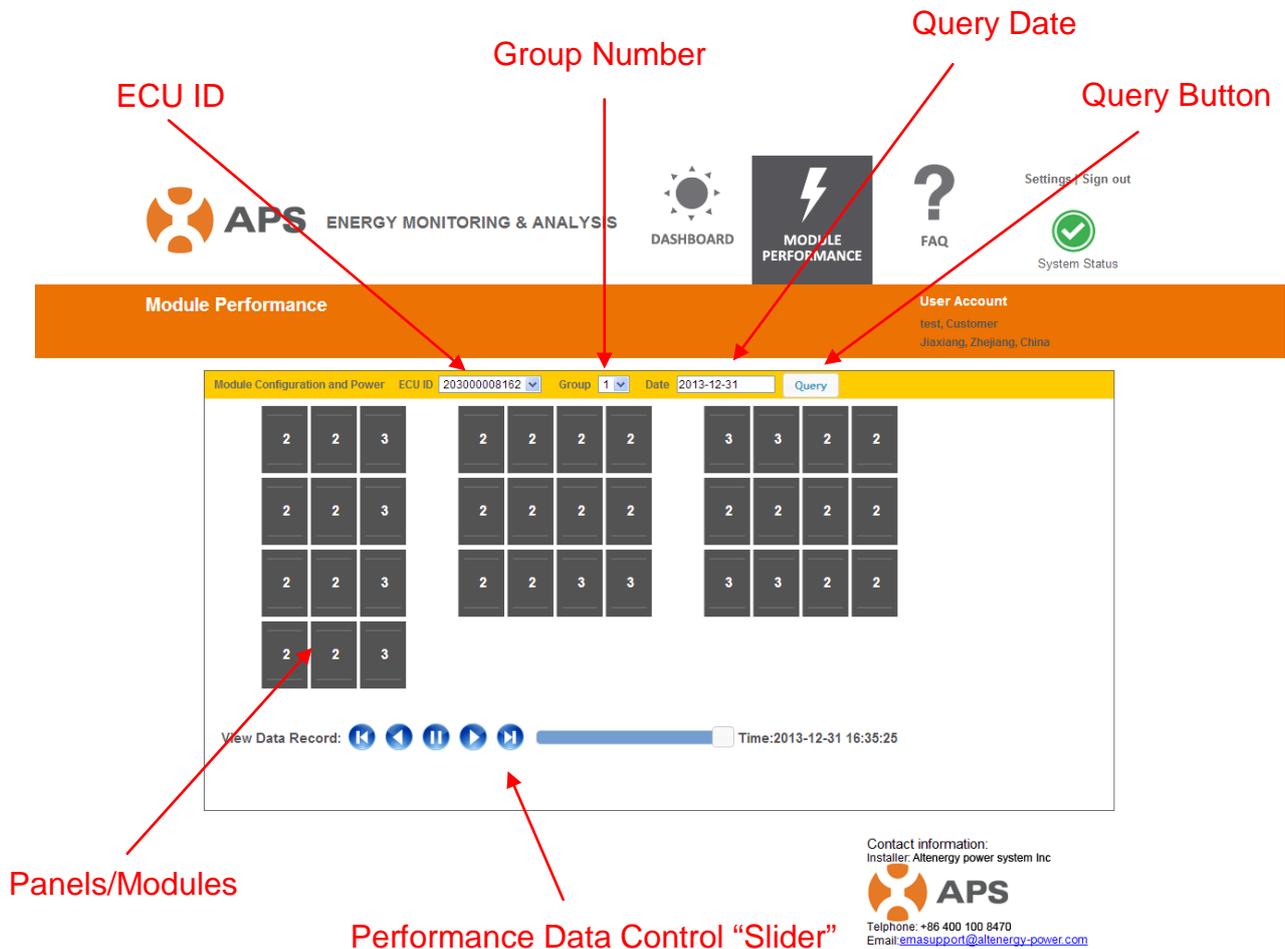
An orange header bar contains the text "Module Performance" on the left and "User Account" information on the right: "test, Customer" and "Jiaxiang, Zhejiang, China".

The main content area features a yellow header with "Module Configuration and Power", "ECU ID: 20300008162", "Group: 1", "Date: 2013-12-31", and a "Query" button. Below this is a grid of 16 dark grey boxes, each containing a white number. The numbers are arranged in three columns: the first column has 4 boxes with values 2, 2, 2, 2; the second column has 4 boxes with values 2, 2, 2, 3; and the third column has 4 boxes with values 3, 2, 2, 2.

At the bottom of the main area, there is a "View Data Record:" label, a set of playback controls (play, stop, back, forward), a progress bar, and a timestamp: "Time:2013-12-31 16:35:25".

Contact information:  
Installer: Allenergy power system Inc  
 **APS**  
Telephone: +86 400 100 8470  
Email: [emasupport@allenergy-power.com](mailto:emasupport@allenergy-power.com)

# An Introduction to Module Performance



**ECU ID:** This is the ECU ID that is assigned to your system.

**Group Number:** Select the group number for the “group” you want to view. Depending on the complexity of the panel/module layout, your installer may have designed your system with multiple groups.

**QUERY Date:** Select query date.

**Query Button:** Click on the Query Button once you have the ECU, timeframe and date selected to get information for that specific enquiry.

**Panels/Modules:** A graphic representation of how your system is laid out. The number in the center of each module represents the current power being

generated by the panel. You can identify the inverter assignment of each panel by selecting the panel you want to identify.

**NOTE:** The power being generated by each panel will vary based on the amount of solar exposure.

**Performance Data Control “Slider”:** You can view the performance of the system over time by using the Performance Data Control Slider. It works much like the controls on video or tape recorder.

# To Change Your Password

1. Log onto the EMA website.

The DASHBOARD is displayed.

The screenshot shows the APS Energy Monitoring & Analysis (EMA) dashboard. At the top, there is a navigation bar with the APS logo and the text 'ENERGY MONITORING & ANALYSIS'. Below this, there are several menu items: 'DASHBOARD', 'MODULE PERFORMANCE', 'FAQ', and 'Settings | Sign out'. A red arrow points to the 'Settings | Sign out' link. Below the navigation bar, there is a 'User Account' section with the text 'test, Customer' and 'Jiaxiang, Zhejiang, China'. The main content area is divided into several sections. On the left, there is a 'TODAY POWER GENERATION' line graph showing power (W) over time from 09:00 to 16:00. The graph shows a peak of approximately 1250W around 12:00. Below this, there is a 'CURRENT SOLAR GENERATION' bar chart showing energy (kWh) over time from 0 to 22. On the right, there is a summary box for 'TODAY'S REVENUE SAVED AND EARNED' showing 'SAVED \$6.897' and 'TODAY'S ENVIRONMENTAL BENEFITS'. The benefits are listed as 'CO2 Offset Equivalent to: 0 GALLONS, 0 TREES, 4 KG'. At the bottom right, there is contact information for APS, including the phone number '+86 400 100 8470' and the email address 'emasupport@allenergy-power.com'.

2. Select **Settings** at the top of the page.

Your Information page is displayed.



Settings | Sign out



Settings

User Account

test, Customer  
Jiaxiang, Zhejiang, China

User Setting

\* UserName testCustomer

\* Email

First Name

Last Name

Phone number

Installation Company testInstaller

\* Country

\* State/Province

\* City

Address

Postal Code

System Size  (KW)

Allow visitors to access to this system

Feedin Tariff

Remark

---

Modify Password

Password

Confirm Password

Contact information:  
Installer: Altenergy power system Inc  
  
Telephone: +86 400 100 8470  
Email: [emasupport@altenergy-power.com](mailto:emasupport@altenergy-power.com)

3. Enter your new password near the bottom of the page.
4. Re-enter the new password to confirm.
5. Press *Submit* button.