

## How to add an Omnimeter v.3 and EKM Push to PVoutput.org:

1.) Go to PVoutput.org

2.) Click "Register" to open a new account. (fig. 1)



Welcome, PVOutput is a free service for sharing and comparing PV output data. If you own a solar system please contribute your power output readings.

[Latest Outputs](#) | [PV Ladder](#) | [PV Donut](#) | [Daily Outputs](#) | [Live Outputs](#) | [Teams](#) | [Register](#)

**We've Generated 25.958GWh from 54.439MW Panels**

Login or Email

Password

Remember me

Don't have a login? [Register](#) in 10 seconds. [Forgot Password?](#)

**1,486,913**  
number of outputs  
recorded

**\$6.49M**  
saved in electricity  
costs to date

**254,746**  
number of panels

**712,180**  
trees planted and  
grown for 10 years

(fig. 1)

3.) Enter your account details and click "Register." (fig. 2)



### Register Account

Choose a login

Password

Retype Password

Email



Can't read the image? Click on it for a new one.

Type the code shown

(fig. 2)

4.) If you have a PV system, enter the information about your system here and then click "Save." (fig. 3)



You are logged in as **EKMPush**

[Add Output](#) | [Your Outputs](#) | [Latest Outputs](#) | [PV Ladder](#) | [PV Donut](#) | [Daily Outputs](#)

### Add System

System Name

Name of the system you are adding, be creative.

Energy Consumption Only

Only energy usage data will be recorded. Solar details may be added later.

Number of Panels

Total number of panels installed.

Panel Max Power

Output of each panel in watts, e.g 185.

System Size

Your calculated system size in watts.

Panel Brand/Model

Brand and/or model of installed panels, e.g. Sharp NU-A188EY

Orientation

(fig. 3)

5.) If you only want to monitor your energy consumption, click the check box next to "Energy Consumption Only." Enter your information and click "Save." (fig. 4)



You are logged in as **EKMPush**

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### Add System

System Name   
Name of the system you are adding, be creative.

**Energy Consumption Only**  
Only energy usage data will be recorded. Solar details may be added later.

Country   
Country where your system is installed.

ZIP Code   
Australian Postcodes, UK Postal District or US ZIP Code

Remarks   
Additional comments about your installation.

(fig. 4)

6.) Click "Edit" (fig. 5)



Added System **EKMPush** to your profile

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### Add Output

System Name

Select the system to record this output against

Output Date   
Date of the recording (dd/mm/yy).

Energy Generation  Wh

(fig. 5)

7.) Scroll to the bottom and look for "Automatic Uploads." Select EKMMeter as the Primary Device and also select the direction. Then enter the API Key (User Key for your EKM Push that was emailed to you when it was purchased) and Meter Id (Meter # on the face of the meter). If you have more than one meter you can enter it in the secondary Id field. Click "Save" to continue. (fig. 6)

### Automatic Uploads

Primary Device   
Automatically download data from the above device and save it to your pvoutput system

Direction   
Upload the data as the either generation or consumption

Weather Station  [FIND STATION](#)  
Wunderground weather station id for live temperature updates e.g. INSWTOON2

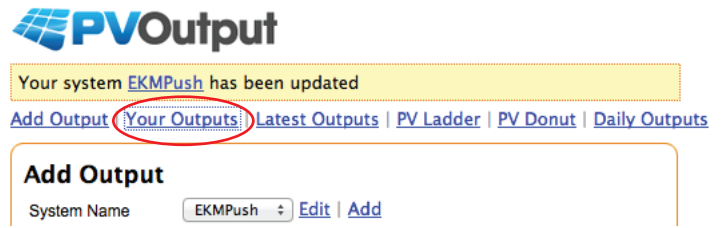
API Key   
The api key used to access your data

Meter Id   
The meter id to download data from

Secondary Id    
Secondary meter to upload in the opposite direction or add/subtract from the first sensor

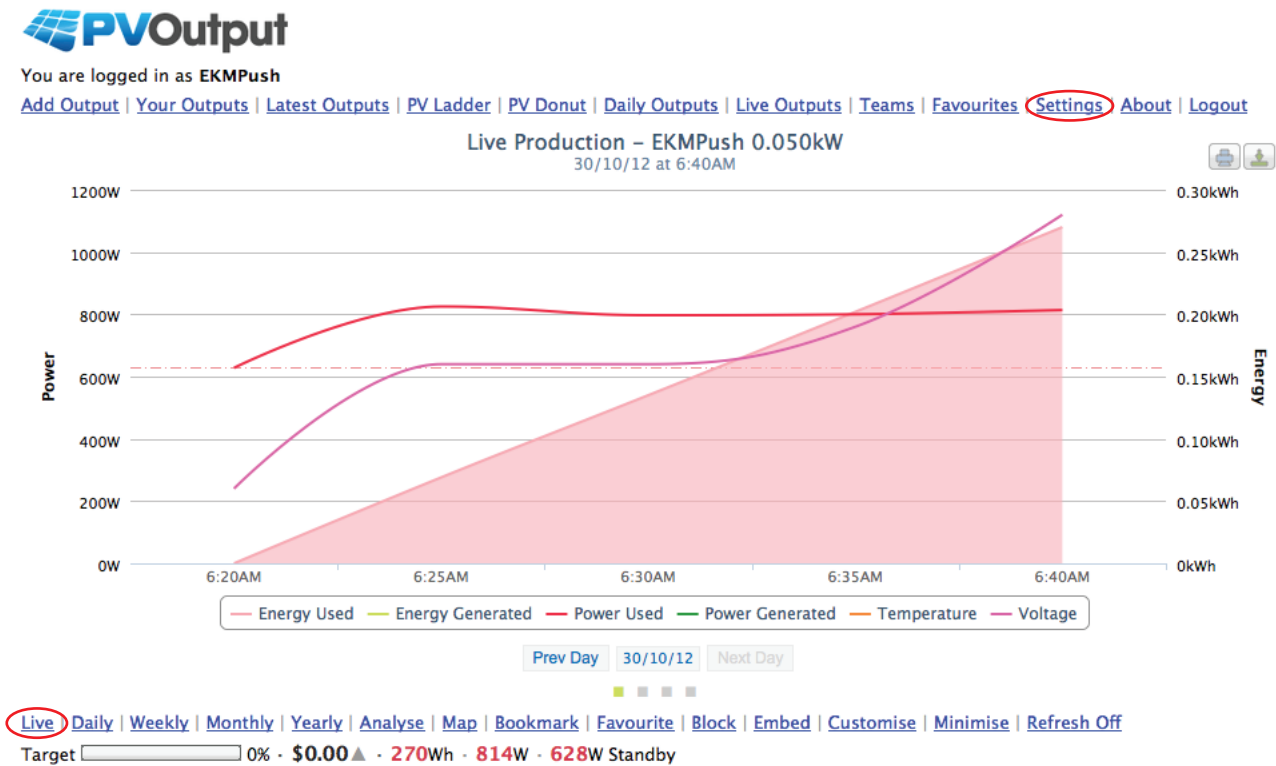
(fig. 6)

8.) Click "Your Outputs" in order to see your meter data. (fig. 7)



(fig. 7)

9.) You should now see an empty graph. You can click "Live" in the lower left to get the most recent data. It takes around 10 minutes for the first data to come in. In the mean time you can click "Settings" in the upper right. There are options here to change your timezone, as well as a lot of other things.(fig. 8)



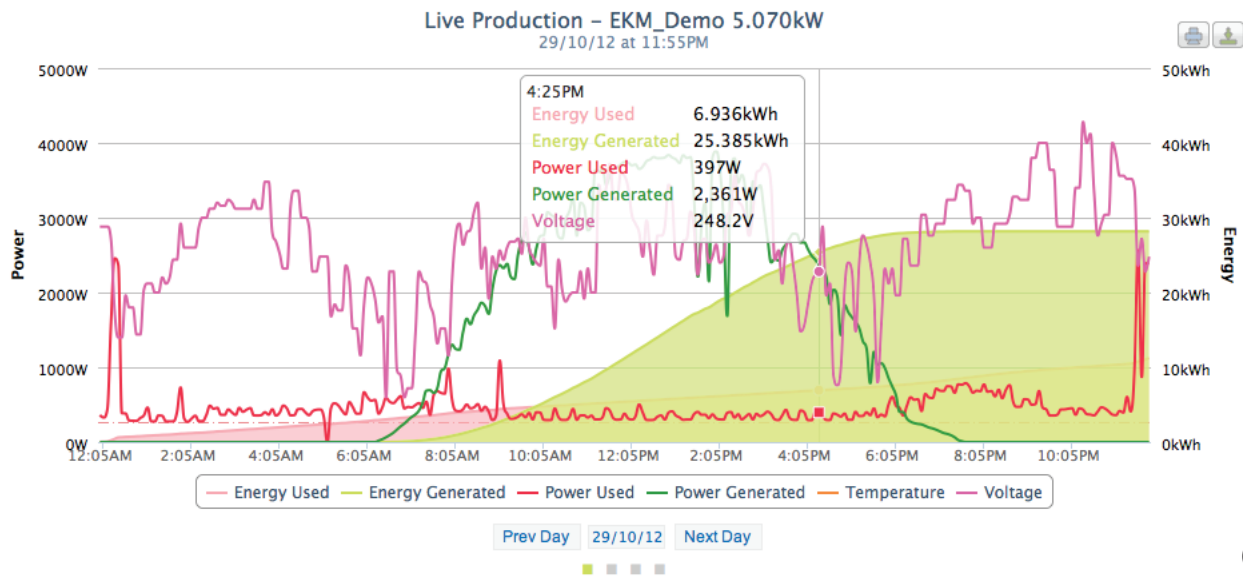
### EKMPush 0.050kW

Compare:  Tips

Date	Time	Energy	Efficiency	Power	Average	Normalised	Temperature	Voltage	Energy Used	Power Used	
30/10/12	6:40AM	-	-	-	-	-	-	121.3V	0.270kWh	814W	
30/10/12	6:35AM	-	-	-	-	-	-	120.4V	0.202kWh	800W	
30/10/12	6:30AM	-	-	-	-	-	-	120.1V	0.135kWh	797W	
30/10/12	6:25AM	-	-	-	-	-	-	120.1V	0.069kWh	825W	
30/10/12	6:20AM	-	-	-	-	-	-	119.1V	0.000kWh	628W	

(fig. 8)

10.) This graph represents usage data as well as PV generation data. It is included here just to show what is possible with our metering system in conjunction with PVoutput.org (fig. 9)



(fig. 9)

For more information about the EKM Push system visit: <http://www.ekmmetering.com/push-communications>