

Topic	Eclipse Inverter PVOutput Setup
Products	All Eclipse Inverter Models

This procedure describes the process of setting up and linking a PVoutput account to your Eclipse Inverter. Using the PVoutput app you will have access to your solar generation data from anywhere in the world.



1. Assumptions:

- The inverter is connected to a local area home network with internet access
- The inverter's IP address on the home network is known (eg. 192.168.1.25)

2. PVoutput Account Creation

A PVoutput account is required so your solar generation data is stored on their web servers.

- Navigate to pvoutput.org and click register



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](#) | [About](#)

We've Generated 589.635GWh from 446.132MW Panels

Login or Email

Password

Remember me

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

32,540,739 number of outputs recorded	\$147.41M saved in electricity costs to date	1,739,364 number of panels	16,177,157 trees planted and grown for 10 years
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- Choose an account name, login password and enter your email address




Register Account

Choose a login

Password

Retype Password

Email

I'm not a robot 

reCAPTCHA
[Privacy](#) - [Terms](#)

Login can only contain letters, numbers, dashes and underscores

- c. Once the account has been registered you will be prompted to fill in your solar installation details. These details can be updated later if you are unsure of the specifics of your installation. Once complete click save.

Thank you for registering, please add your system details below.

[Add Output](#) | [Your Outputs](#) | [PV Ladder](#) | [Statistics](#) | [Live Outputs](#) | [Teams](#) | [Favourites](#) | [Settings](#) | [Community](#) | [Donations](#) | [Help](#) | [Logout](#)

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
Where your panels are facing.

Number of Inverters
Total number inverters installed - usually 1

Inverter Brand/Model
Brand and/or model of installed inverter, e.g. SMA Sunny Boy 3000

Inverter Size
Inverter capacity of each inverter in watts, e.g 4000W.

Country
Country where your system is installed.

Postcode
Australian Postcode, UK Postal District or US ZIP Code

Install Date
Optional: Date your system was installed (dd/mm/yy)

Shading
Amount of shade on your system caused by trees and/or other structures.

Array Tilt
Optional: Angle in degrees your PV is installed at.

Remarks
Additional comments about your installation.

- d. Navigate to the settings section and scroll to the bottom

API Settings

API Access [HELP](#) ← Set API access to 'Enable'

The API must be enabled to successfully process requests.

API Key ← Click 'New Key'

Your API key is used to update your data automatically, always keep your API key secret.

Read Only Key

Add your own key with read only access to your data, ideal for 3rd party apps

API Referrer

The URL of your webpage. Only applicable if you are embedding [portlets](#).

Registered Systems

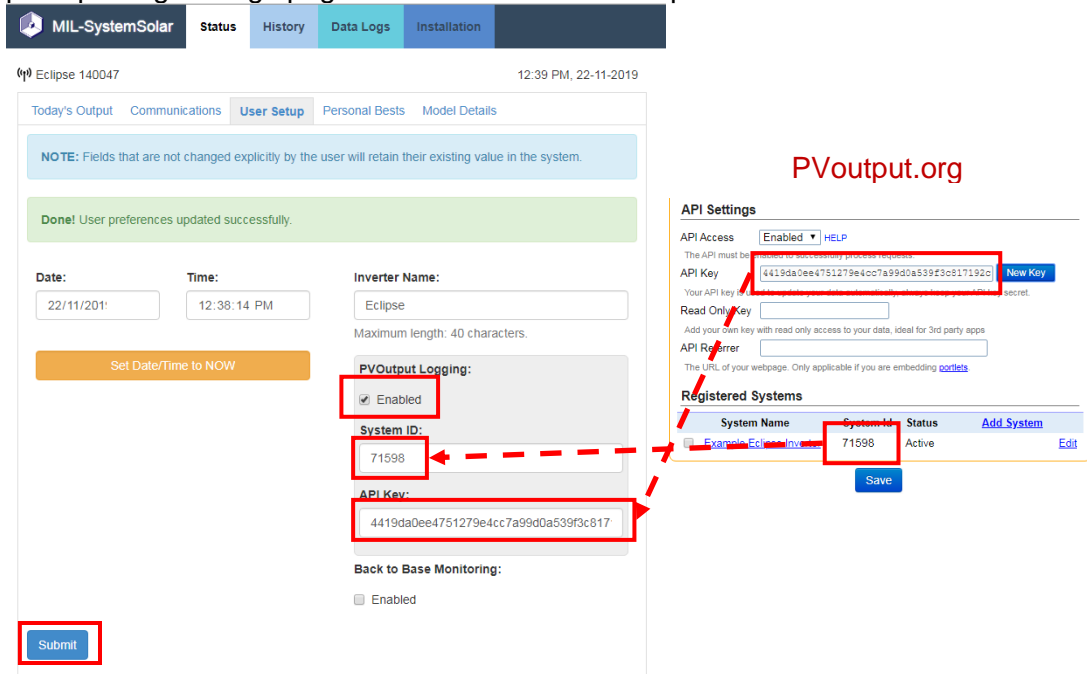
System Name	System Id	Status	Add System
<input type="checkbox"/> Example Eclipse Inverter	71598	Active	Edit

← Click 'Save'

3. Setting Up Your Inverter

With your PVOutput account created now your Inverter needs to be linked to display data online.

- Log into your Eclipse Inverter by navigating to its IP Address in a web browser. For more information for connecting your inverter to the home network see page 24 of the Inverter Operation Manual
- Navigate to the 'User Setup' page and enter your PVOutput details from the pvoutput.org settings page. Click submit once complete.



4. Checking your setup is working

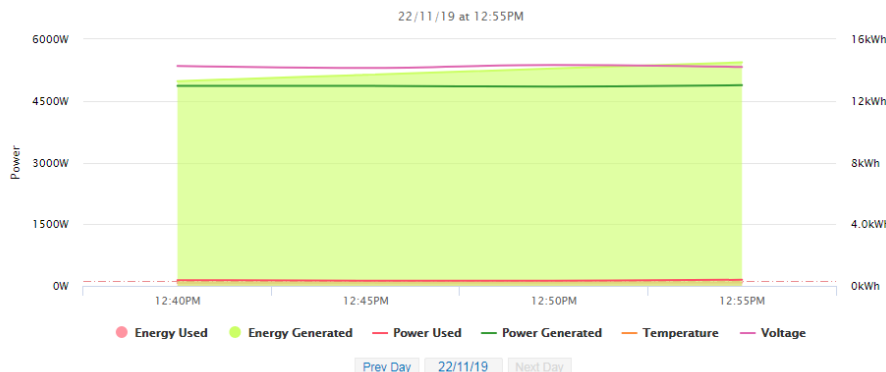
Navigate to 'Your Outputs' on pvoutput.org, your solar generation data should start appearing within 10-30 minutes



You are logged in as **example_eclipse_account**

[Add Output](#) | [Your Outputs](#) | [PV Ladder](#) | [Statistics](#) | [Live Outputs](#) | [Teams](#) | [Favourites](#) | [Settings](#) | [Community](#) | [Donations](#) | [Help](#) | [Logout](#)

Live Production – Example Eclipse Inverter 5.000kW



[Live](#) | [Daily](#) | [Weekly](#) | [Monthly](#) | [Yearly](#) | [Analyse](#) | [Map](#) | [Favourite](#) | [Download](#) | [Insolation](#) | [Customise](#) | [Minimise](#) | [Refresh Off](#)

0 Followers - 0 Following

Target  94% **\$8.57** ▲ - 14,504Wh - 4,880W - 4,880W Peak - 223Wh - 148W - 127W Standby

Example Eclipse Inverter 5.000kW

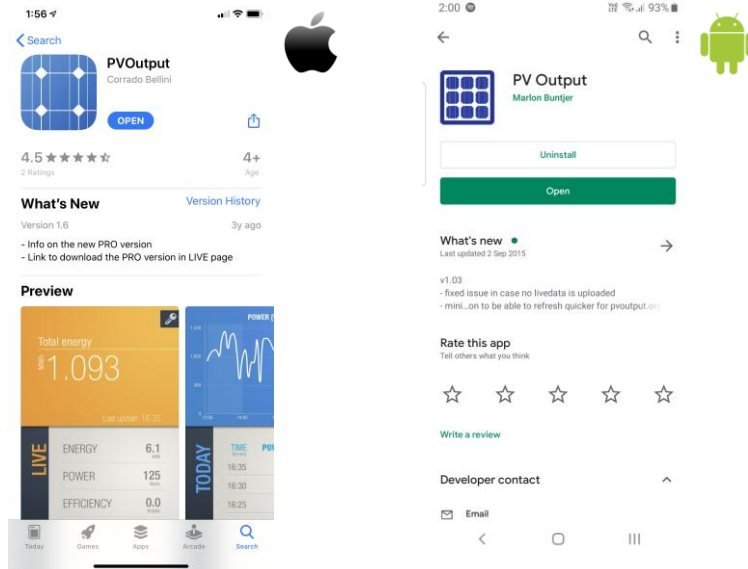
Compare: [Tips](#)

Date	Time	Energy	Efficiency	Power	Average	Normalised	Temperature	Voltage	Energy Used	Power Used
22/11/19	12:55PM	14.504kWh	2.901kWh/kWh	4,880W	4,884W	0.977kW/kW	-	249.3V	0.223kWh	148W
22/11/19	12:50PM	14.097kWh	2.819kWh/kWh	4,845W	4,884W	0.977kW/kW	-	249.5V	0.211kWh	128W
22/11/19	12:45PM	13.690kWh	2.738kWh/kWh	4,865W	4,896W	0.979kW/kW	-	249.2V	0.199kWh	127W
22/11/19	12:40PM	13.282kWh	2.656kWh/kWh	4,862W	-	-	-	249.4V	0.187kWh	139W

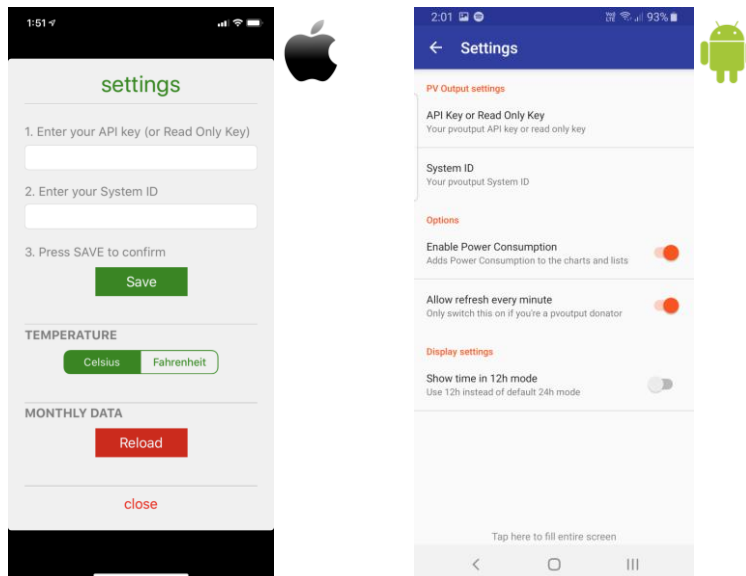
5. Installing PVoutput App

PVoutput has an app for both Android and Apple so you can easily view your solar production on your phone. This guide will show both methods with Apple on the left and Android on the right.

- a. Download the app onto your phone



- b. Enter your 'System ID' and 'API Key' provided by PVOutput website - see page 2 to find info



c. Now you will have access to your solar generation data remotely

