Energenic

Big Brother Platform Usage Manual

September 2019

Purpose

This manual serves as a reference guide to the efficient usage of the Big Brother Platform. This manual is a useful aid to assist a user of the platform - if needed.

General (Important)

Detailed data

The values depicted on Big Brother are calculated, collected and some are averaged. The reason for this is to improve the performance and responsiveness of the platform, this being said, the exact value of every second/minute may not be available.

To view a specific data (on a graph which shows multiple values):

- *Click* the value you want displayed on its own (on the **legend** of the graph)
- To display a set of selected values (hold *CTRL* + *click* the values on the legend*)* this can also deselect values if not wanted.

Zooming and Resetting

In order to reset the values and graphs to their current status, set the time-window to 'Today'.

The time-window can be changed by selecting a '**Quick Range**', a '**Custom Range**', or by **selecting a timespan** on a graph.

Visual Guide

1)	**History Interval Selector**	-	Specifies the history interval
2)	**History View Window Selector**	-	Specifies the history time-window
3)	**Star Dashboard**	-	Add dashboard to Starred Dashboards
4)	**Cycle View Mode**	-	Switch between *Normal* / *Fullscreen* / *Kiosk*
5)	**Time-window selector**	-	Select '*Today*' to set graphs to standard view
6)	**Time-range zoom out**	-	Increase shown data on applicable graphs
7)	**Refresh Dashboard data**	-	Check if new data is available manually
8)	**Select Refresh Interval**	-	Set automatic data refresh interval

Overview Tab

Last Datakom Update

Elapsed time since latest data was sent from the Datakom monitoring device/platform. This value **does not change** if the time-window is changed, it is the latest value.

Last Sunny Update

Elapsed time since latest data was sent from the Sunny monitoring device/platform. This value **does not change** if the time-window is changed, it is the latest value.

Total Consumption (gauge)

Shows how many kWh have been consumed currently, if the time-window is changed this will show how much was consumed from the beginning of the last day (within the time-window) up to the last time of that day.

Consumption (pie chart)

Shows the percentages and current of the ‘zones’ consumption since the start of that day. If the time-window is changed, the graph will show the current consumed during that period. However if the time-window is over a day, the values will represent only the amount consumed from the beginning of the last day (within the time-window) up to the last time of that day.

Total Yield (gauge)

Shows the yield, in kWh, that has been accumulated currently, if the time-window is changed this will show how much was accumulated from the beginning of the last day (within the time-window) up to the last time of that day (within the time-window).

Yield (pie chart)

Shows the percentages and current of the Solar Power and Generator yield since the start of that day. If the time-window is changed, the graph will show the yield during that period. However if the time-window is over a day, the values will represent only the amount consumed from the beginning of the last day (within the time-window) up to the last time of that day (within the time-window).

Mean Battery Temp

Shows the average temperature over the current time-window.

Generator Runtime

Shows the runtime over the current time-window.

Mean Battery State of Charge

Shows the average State of Charge over the current time-window.

Alerts

Alerts are displayed when:

- An irregularity is found
- A pre-set trigger is reached by a certain value/value pattern

Alerts consist of a:

- Name - Which describes the source (i.e Daily Energy, Battery SOC etc.)
- Message - Gives additional information (if applicable)
- Date - The date and time of the alerts initial activation (when the alert)
- Relative Time - Elapsed time of alert being displayed
- Status - **PROBLEM** alerts are the only alerts which will be displayed here

Hourly Overview (graph)

Displays the hourly Total Consumption and hourly Total Yield of the selected time-window.

Total Consumption (graph)

Displays the Total Consumption within the selected time-window.

Total Yield (graph)

Displays the Total Yield within the selected time-window.

Weekly Total Consumption (graph)

This shows the **current weekly consumption** if the time-window is changed, this graph will not show that time-windows values. To inspect the weekly consumption, reset the values (by selecting Today), once this is done, the weekly consumption will be depicted accurately.

Weekly Total Yield (graph)

This shows the **current weekly yield** if the time-window is changed, this graph will not show that time-windows values. To inspect the weekly yield, reset the values (by selecting Today), once this is done, the weekly yield will be depicted accurately.

Consumption Tab

Daily Consumption Overview

This shows the **previous 30 days consumption from today** if the time-window is changed, this graph will not show that time-windows values. Reset the values (by selecting Today), once this is done, the consumption will be depicted accurately.

Hourly Consumption Overview

This shows the hourly consumption of a selected time-window.

Total Consumption

Displays the Total Consumption within the selected time-window.

Total Real-Time Consumption

Displays the Total Real-Time Consumption within the selected time-window.

Front of House Consumption

This shows the Front of House consumption of a selected time-window.

Front of House Real-Time Consumption

This shows the Front of House real-time consumption of a selected time-window.

Back of House Consumption

This shows the Back of House consumption of a selected time-window.

Back of House Real-Time Consumption

This shows the Back of House real-time consumption of a selected time-window.

Yield Tab

Daily Yield Overview

This graph shows a daily overview of the yield, any time-window less than a day will cause this graph to provide less accurate depictions, thus if a higher detail is required, use the hourly overview.

Hourly Yield Overview

This shows the hourly yield of a selected time-window in hour intervals.

Total Yield

This shows the total yield of a selected time-window in hour intervals.

Solar Yield

This shows the solar yield of a selected time-window.

Generator Yield

This shows the generator yield of a selected time-window.

Battery Tab

Last Battery State of Charge Update

Elapsed time since latest SOC data was sent from the Sunny monitoring device/platform. This value **does not change** if the time-window is changed, it is the latest value.

Last Battery Temperature Update

Elapsed time since latest temperature data was sent from the Sunny monitoring device/platform. This value **does not change** if the time-window is changed, it is the latest value.

Battery State of Charge

This graph shows the last values in the time-window of the Battery SOC.

Battery Temperature

This graph shows the last values in the time-window of the Battery Temperature.

Daily Battery SOC Overview

This graph shows a daily overview of the Battery State of Charge, any time-window less than a day will cause this graph to provide less accurate depictions, thus if a higher detail is required, use the hourly overview.

Daily Battery Temp Overview

This graph shows a daily overview of the Battery Temperature, any time-window less than a day will cause this graph to provide less accurate depictions, thus if a higher detail is required, use the hourly overview.

Hourly Battery SOC Overview

This shows the Battery SOC of a selected time-window in hour intervals.

Hourly Battery Temp Overview

This shows the Battery Temperature of a selected time-window in hour intervals.

Miscellaneous Tab

Daily Generator Runtime

This graph shows the generator runtime in day intervals from today, any time-window less than a day will cause this graph to provide less accurate depictions.

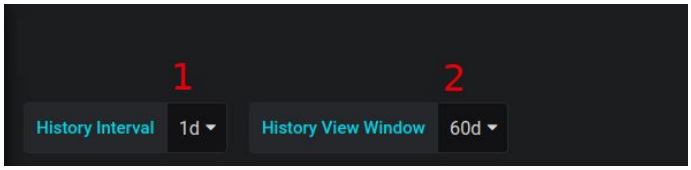
Daily Generator Yield

This graph shows the generator yield in day intervals from today, any time-window less than a day will cause this graph to provide less accurate depictions.

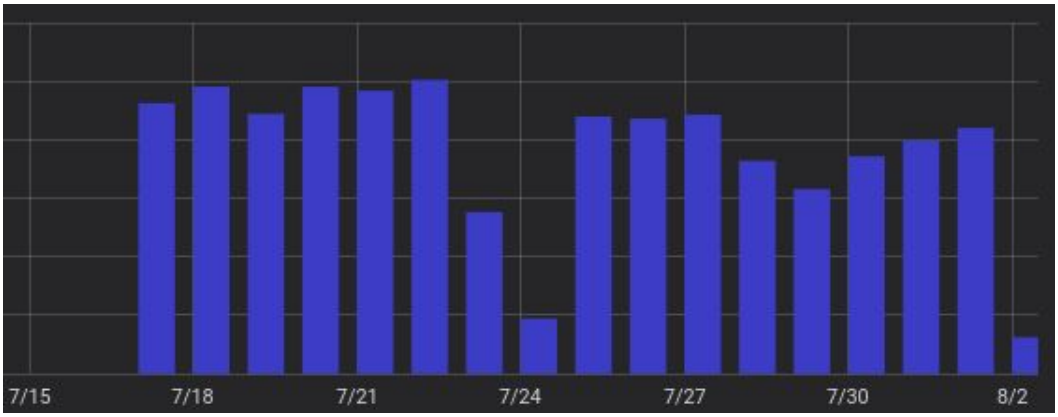
History Tabs

How to use the History Graphs:

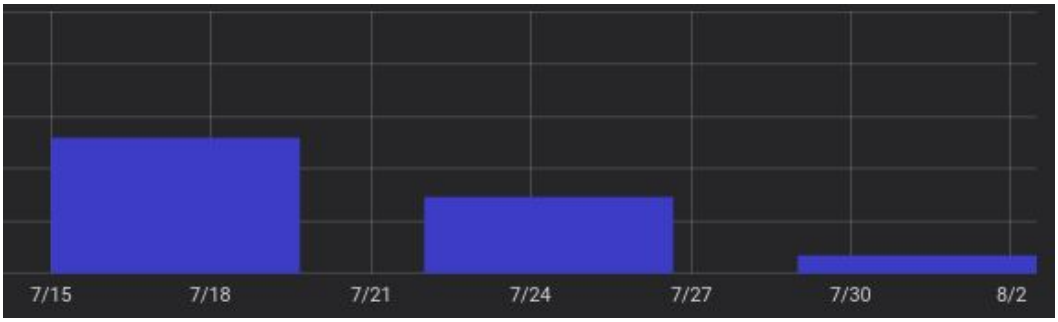
Visual Guide:



1) **History Interval Selector**
    - Allows a user to select how large/small the intervals are between data points:

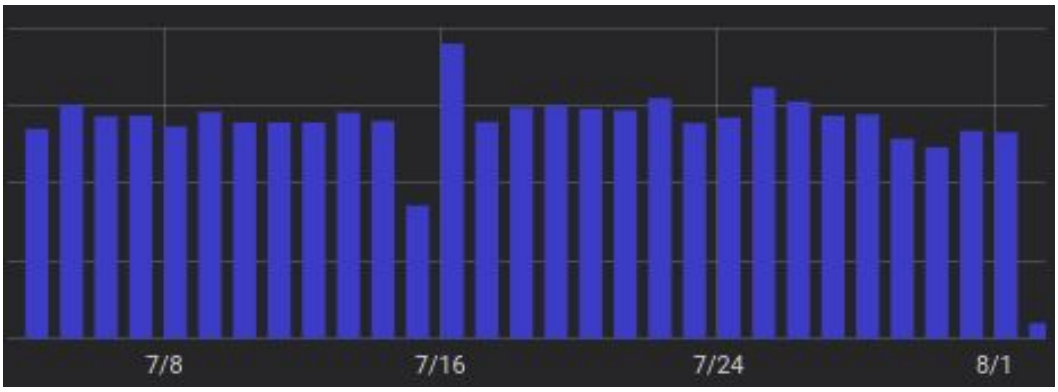


- The above is a part of a graph which has the History Interval selector set to 1 day intervals.

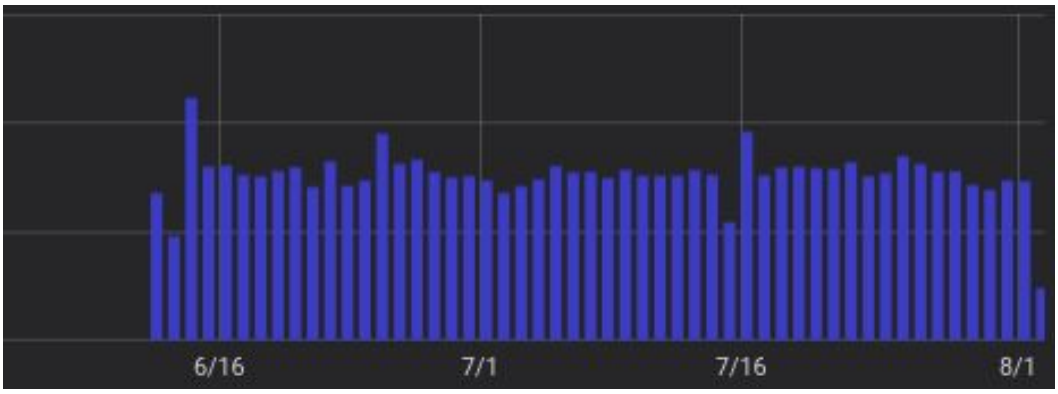


- The above is a part of a graph which has the History Interval selector set to 7 day intervals.

2) **History View Window Selector**
    - Allows a user to select how far back the displayed history should be. 30d



    - The above is a part of a graph which has the History View window selector set to the previous 30 days.



    - The above is a part of a graph which has the History View window selector set to the previous 60 days.

Using the History Interval and History View Window selectors

When a user requires the history of a value two variables need to be considered:

1. How specific value(s) need to be.
2. How far back (roughly) they would like to view.

In order to retrieve the history - a user should first set the interval of the data (i.e 7 days) to view the data in 7-day-sized-parts.

Once that is complete, the user should select how far back they would like to view (i.e 60 days) - this will allow them to see the previous 60 days of data.

Alert History Tab

Monitoring Alerts

Displays the currently **ACTIVE** alerts.

Alert History

Displays the history of all alerts.

Contact and User Support

Support Team

Email: bigbrotherqueries@gmail.com