mVizuo Mobile App for Android

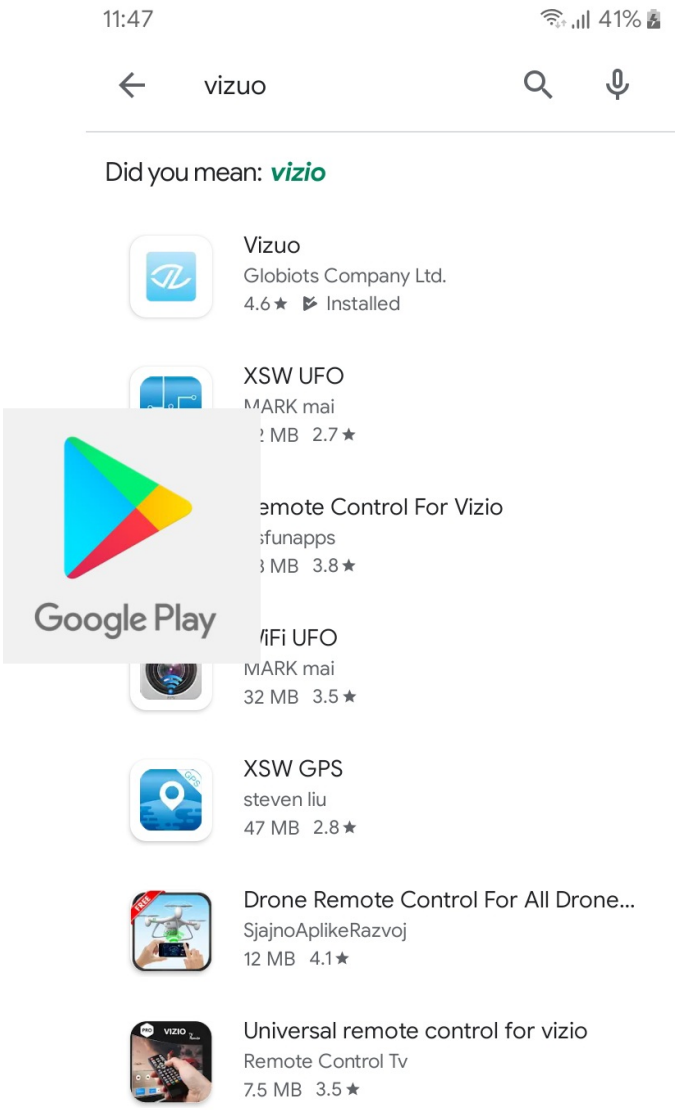
MN-VIZUO-EN	2020-03-02



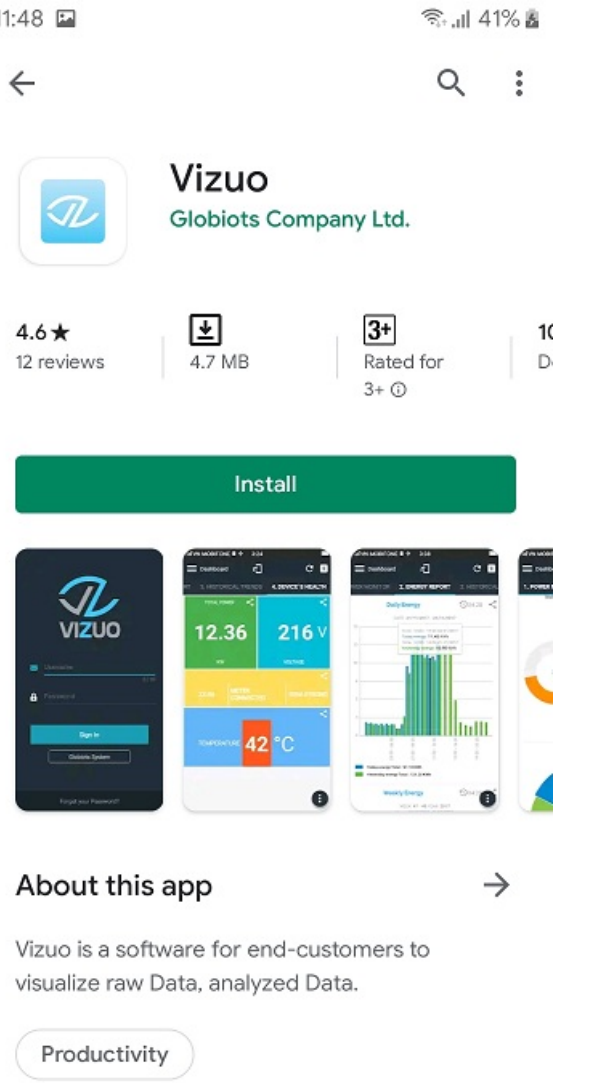
1. Functions Change Log

Release Date	Version	Functions Change	Name Account Change
2020-03-02	1.0	Create page to change account information	trungtin.nguyen@daviteq.com
2020-08-18	1.0	Complete documentation	trungtin.nguyen@daviteq.com

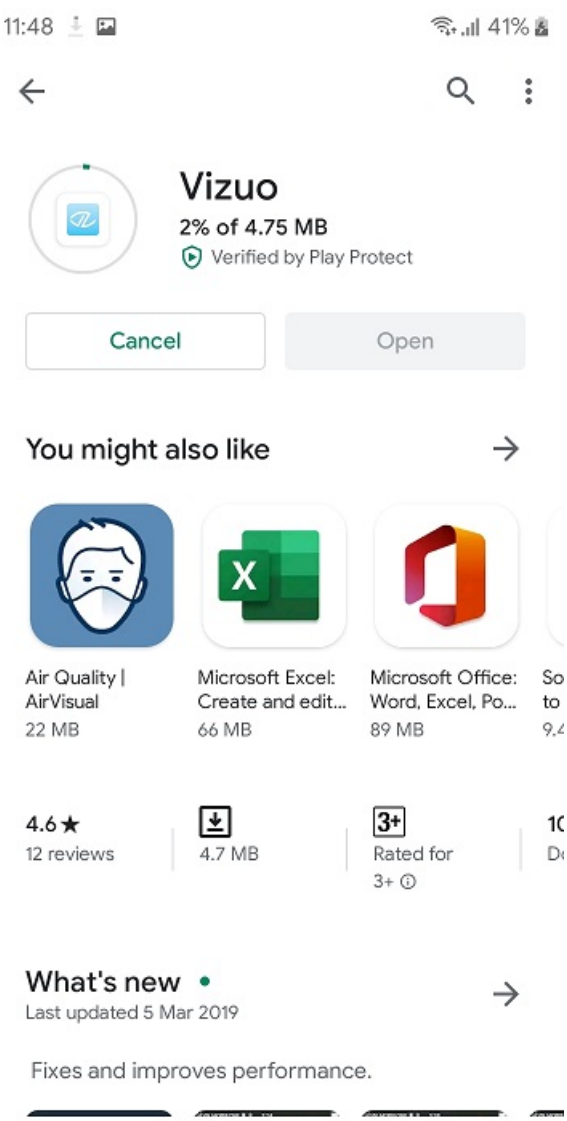
2. Installation



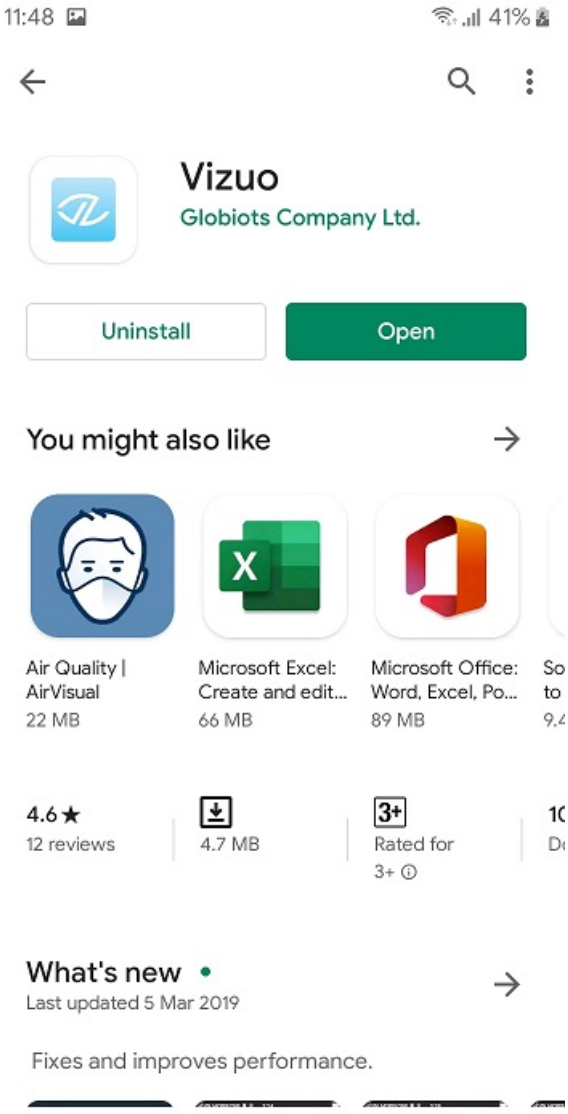
To find the App manually, navigate to the Google Play Store and search "**Vizuo**".



Select **INSTALL** to begin the



Please wait while the Vizuo Mobile App is being downloaded and installed.

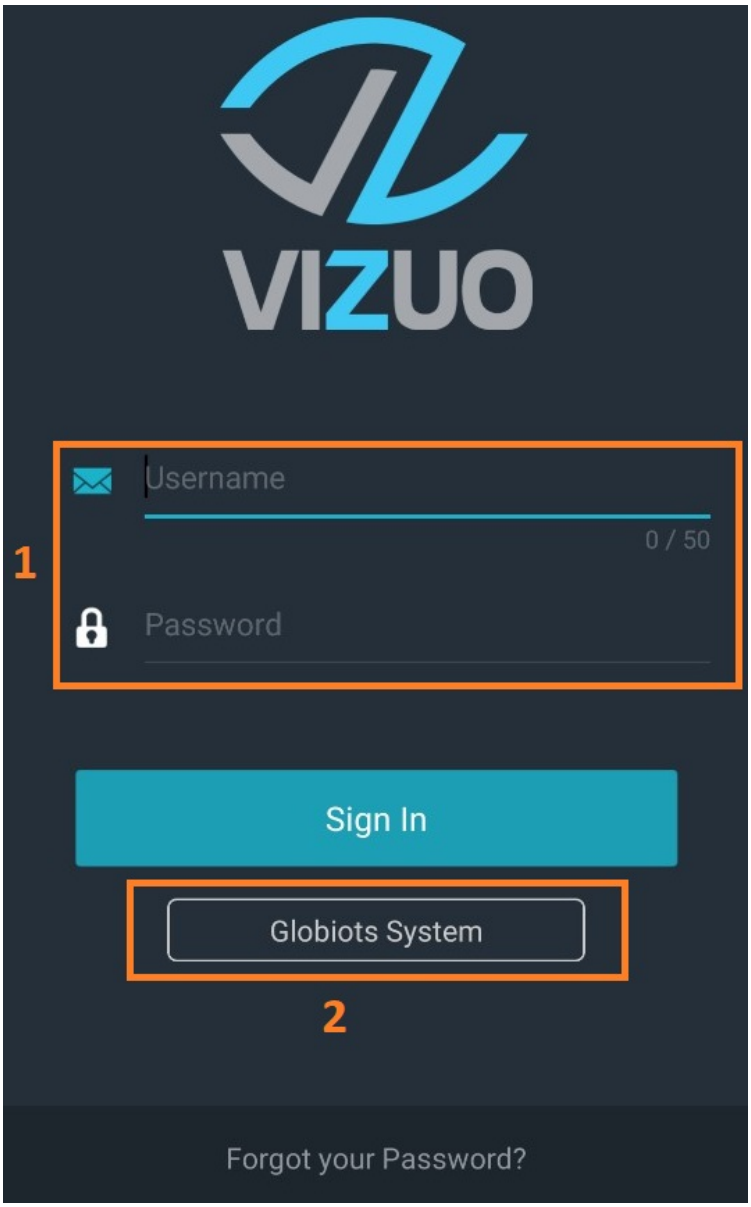


Select open to start using the Vizuo Mobile App.

3. Account Information

3.1. Login

When you open the Vizuo Mobile App you may be asked to Login. Follow the steps to learn how to successfully log into your account.

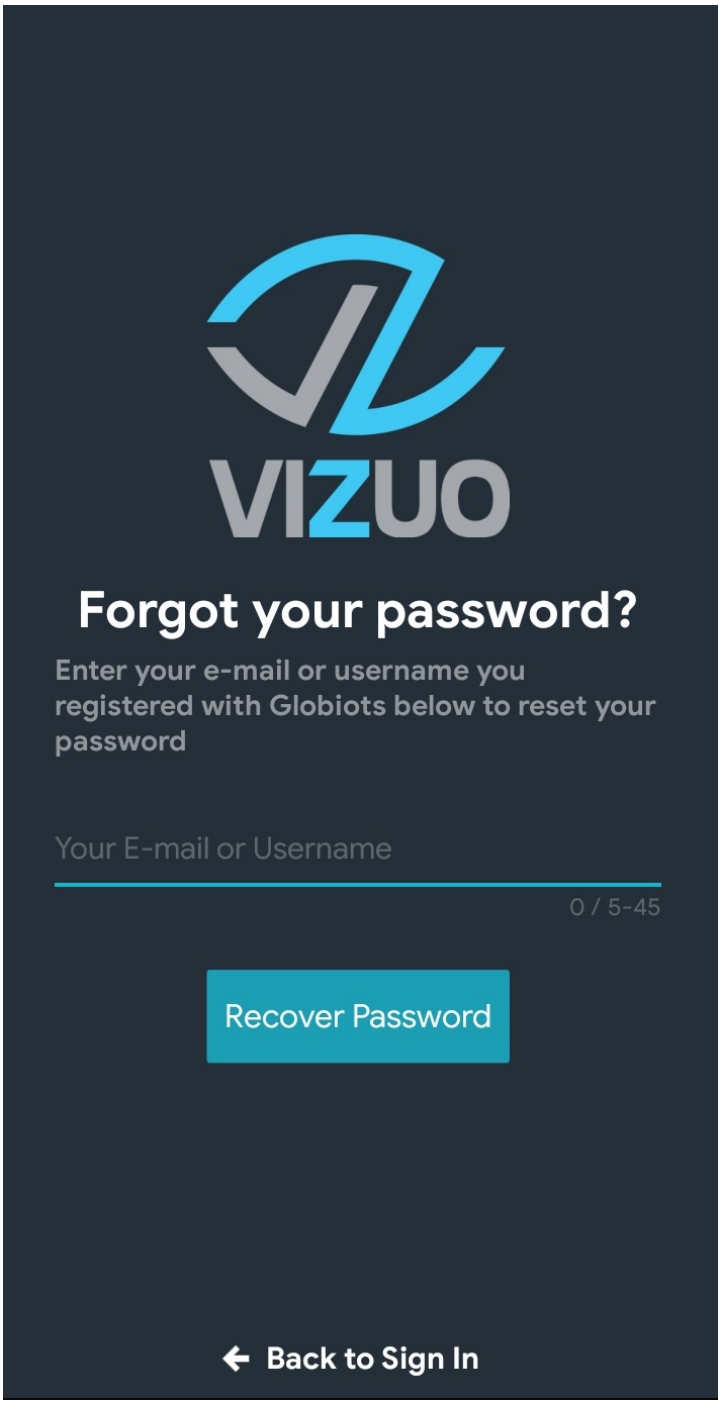


Note:

1. Form login - where to fill login information (username, password). Input your username and password, then select **Sign In**.

2. Where to choose the server. By default, the application will point to the cloudGlobiots service of Daviteq. If you want to point to another server, select **Globiots System**, then select **Location Customize**

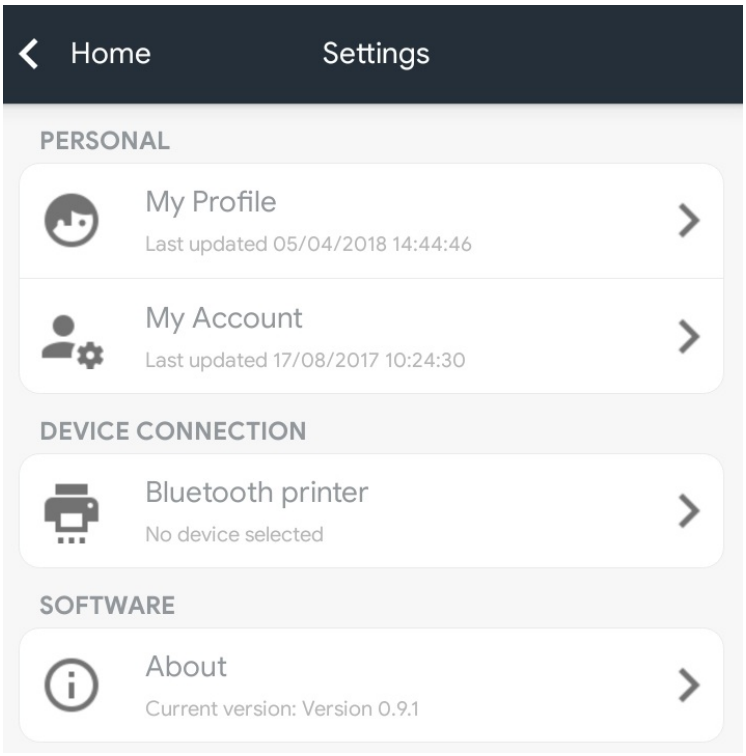
3.2. Forgot password



If you cannot remember your password, select**Forgot your password,** then input your email address and select **Recover Password**.

3.3. Change the account information

To change account information, click on the icon  in the upper left of the screen, then select**Settings**, the screen appears interface settings as follows:



- **My Profile**: View and change information: Name, Password, Email, ..
- **My Account**: View product package information, access management.
- **Bluetooth printer**: Select a printing device that transmits a Bluetooth signal.
- **About**: View the current version of the software.

3.4. Log out

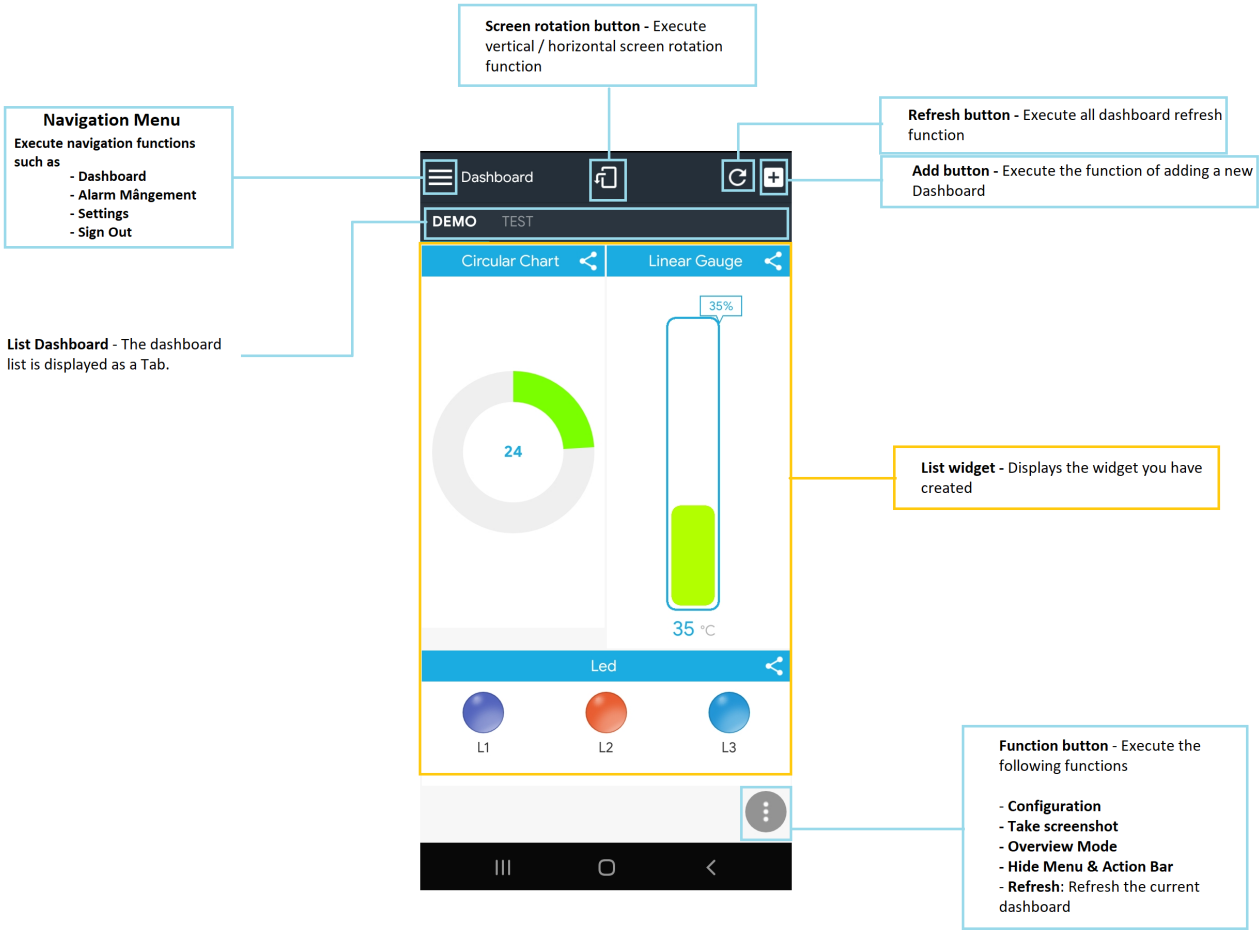
Click on the icon  in the upper left of the screen, then select**Sign Out**

4. Dashboard

Dashboard is the place to display the current value (Realtime) or the value from the database of parameters. Dashboard can also record values and control status for parameters. Each Dashboard is organized in a tab. When the displayed value is from the database, the dashboard will update the value after a specified time. Dashboard includes the widgets inside as shown below:

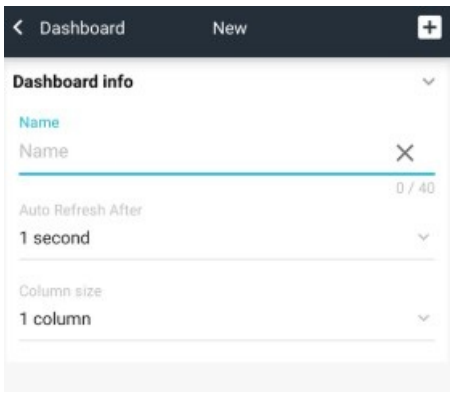

Historical Printer Report
Device Name: MAIN - METER
Parameter Name: iConnector Temperature
Date: 03/08/2018
Start time: 00:00:00
End time: 00:00:59
Preview
Print
Historical Trending Chart
05:00
Linear Gauge
Pie Chart
34,6 %
34,8 %
30,6 %
Column Chart
Switch Button
Switch Button 1
ON
Switch Button 2
STOP
Simple Button
ON
Simple Button
OFF
Simple Button
Led
Led
Dropdown List
Setpoint
70
Smart cell
TEMPERATURE
41
°C
4.12
BAT
Ems Report
00:56
DATE: 03/08/2018
Solid Gauge
14.51
kW
0.0
100.0
Circular Chart
222
V
Table
% Fuel Level
0 ‰
03-Digital AI1
1
Humidity
44.31
32-MFM383-I1
5.46
iConnector Battery
N/A V

Main Screen



4.1 Create a Tab in Dashboard

At the Dashboard interface, click the icon in the right corner of the screen to declare the Dashboard configuration as follows:

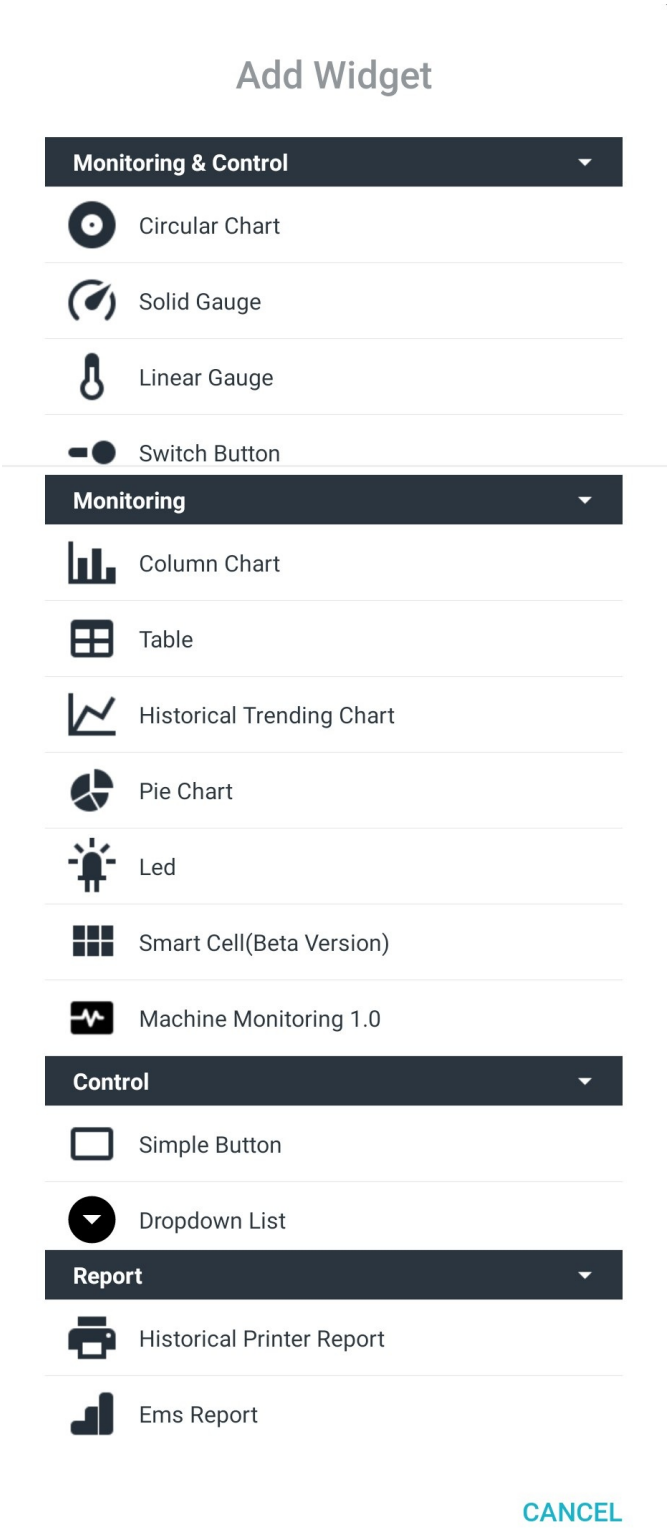


The meaning of the fields in the interface above:

- **Name**: Dashboard name, enter up to 40 characters.
- **Auto Refresh After**: Time Dashboard automatically updates Realtime value, choose 1-5 seconds.
- **Column size**: Number of columns created in Dashboard, choose 1-5 columns.
  For example, selecting 3 columns means that it will divide the screen into 3 parts vertically.

Once done, click the **Add** icon in the upper right corner to create the Widget.

The widget list interface appears as follows:



Proceed to create a Widget (details in Widget section).

Then select **Save** in the upper right corner of the screen, select**Configure** ➪ **Configure** ➪ select **Add** to complete creating Dashboard containing the Widget that we have selected.

4.2 Duplicate Dashboard

To duplicate a dashboard, implement export original dashboard and import it to same user and different user

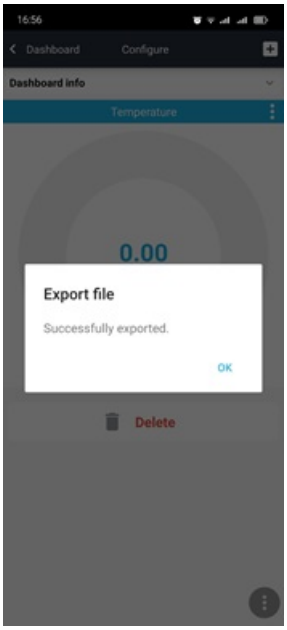
1. Export original dashboard

In the bottom right corner of the original dashboard, click the icon



, click No Folder to Select and then pop up menu will inform the successful import

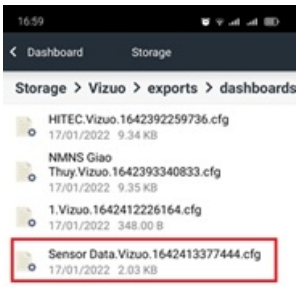


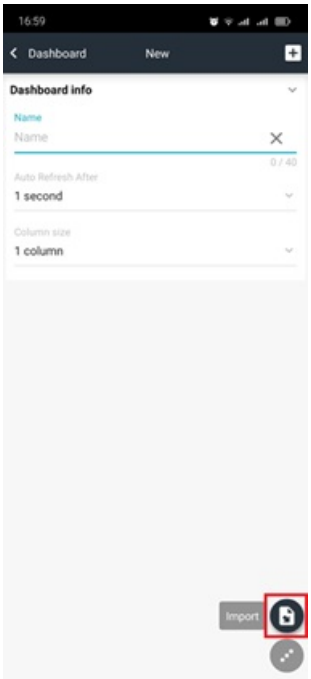


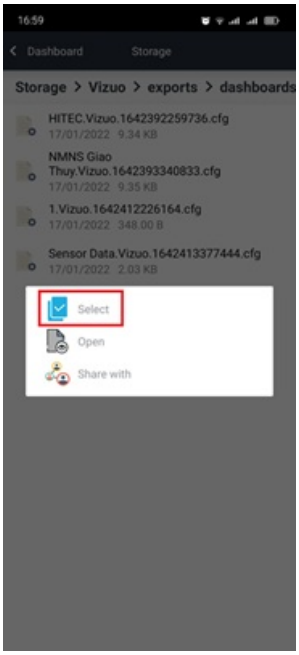
2. Import dashboard

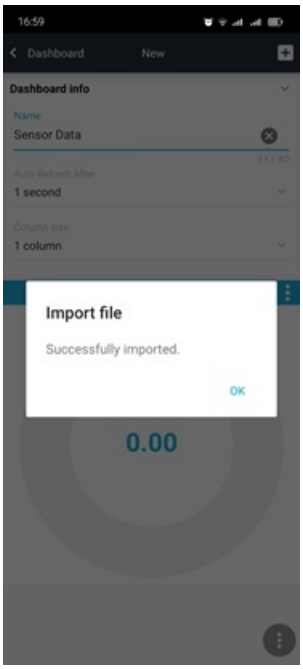
If original dashboard needs to import to another account. log out current account and log in to another account. At the Dashboard interface, click the icon in the right corner of the screen then select

> Import and choose the original dashboard file then click Select and a popup menu for import successfully will appear. Click <Dashboard, click Add to complete import the dashboard


16:59
Dashboard
Storage
Storage > Vizuo > exports > dashboards
HITEC.Vizuo.1642392259736.cfg
17/01/2022 9.34 KB
NMNS Giao Thuy.Vizuo.1642393340833.cfg
17/01/2022 9.35 KB
1.Vizuo.1642412226164.cfg
17/01/2022 348.00 B
Sensor Data.Vizuo.1642413377444.cfg
17/01/2022 2.03 KB


16:59
Dashboard
New
Dashboard info
Name
Name
0 / 40
Auto Refresh After
1 second
Column size
1 column
Import


16:59
Dashboard
Storage
Storage > Vizuo > exports > dashboards
HITEC.Vizuo.1642392259736.cfg
17/01/2022 9.34 KB
NMNS Giao Thuy.Vizuo.1642393340833.cfg
17/01/2022 9.35 KB
1.Vizuo.1642412226164.cfg
17/01/2022 348.00 B
Sensor Data.Vizuo.1642413377444.cfg
17/01/2022 2.03 KB
Select
Open
Share with

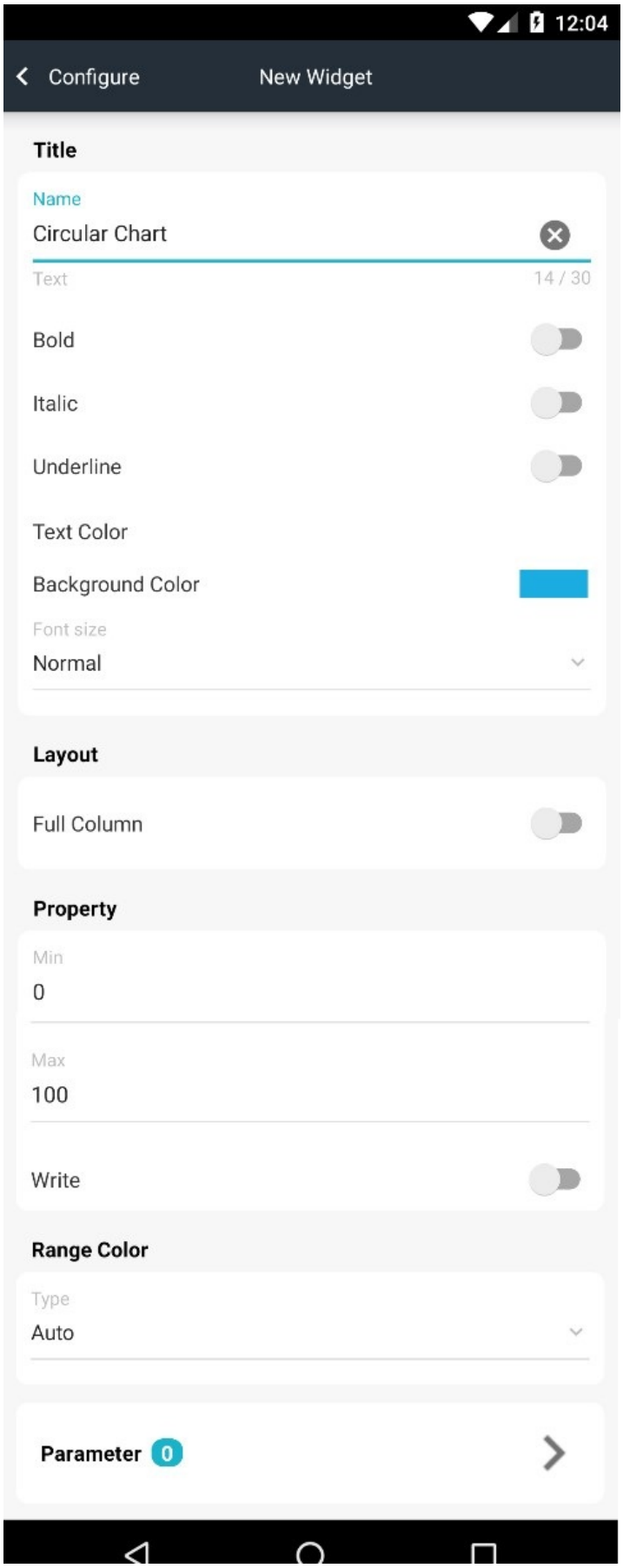


4.3 Create a Widget in Tab

A. Monitoring & Control Group

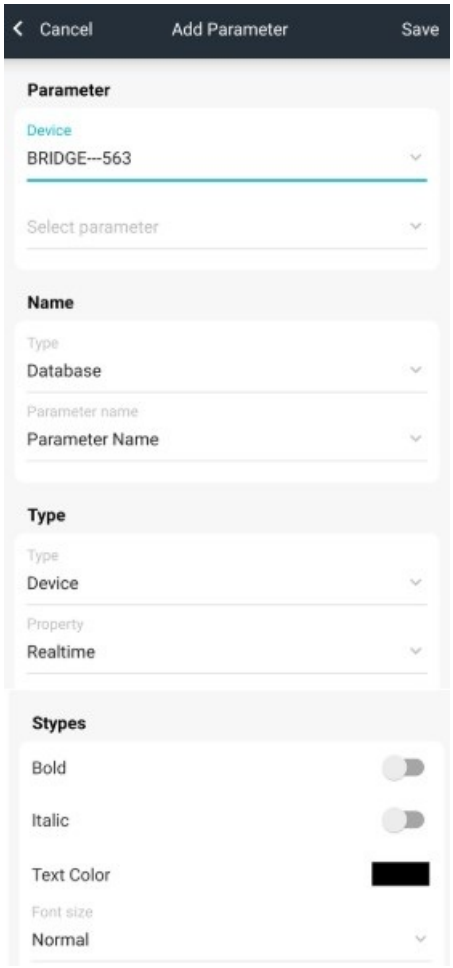
1. Circular Chart

From the list of widget types as above, choose the**Circular Chart** interface that appears as follows:

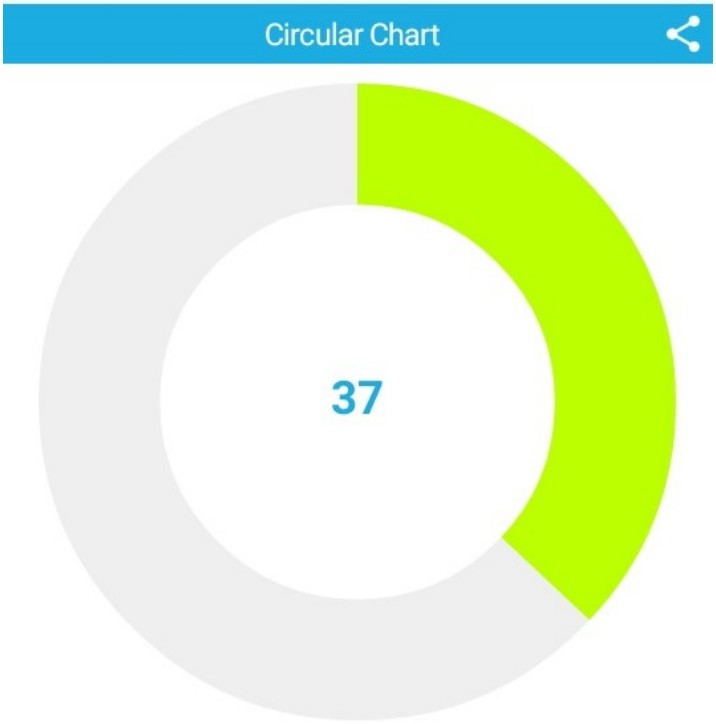


- Title: Set a name and format for the Title of the Widget.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Underline: Drag right to underline.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title (Small – Normal – Large).
- Full Column: Drag to the right, so that the Widget displays the full width of the Dashboard.

- Property: Set the Min, Max value that the parameter can reach.
- Write: Drag right to allow writing down a parameter (for a parameter with a hex address of 3000-31FF)
- Parameter: Click on **Parameter**, then select **Add** in the upper right corner of the screen.
  The interface appears as follows:

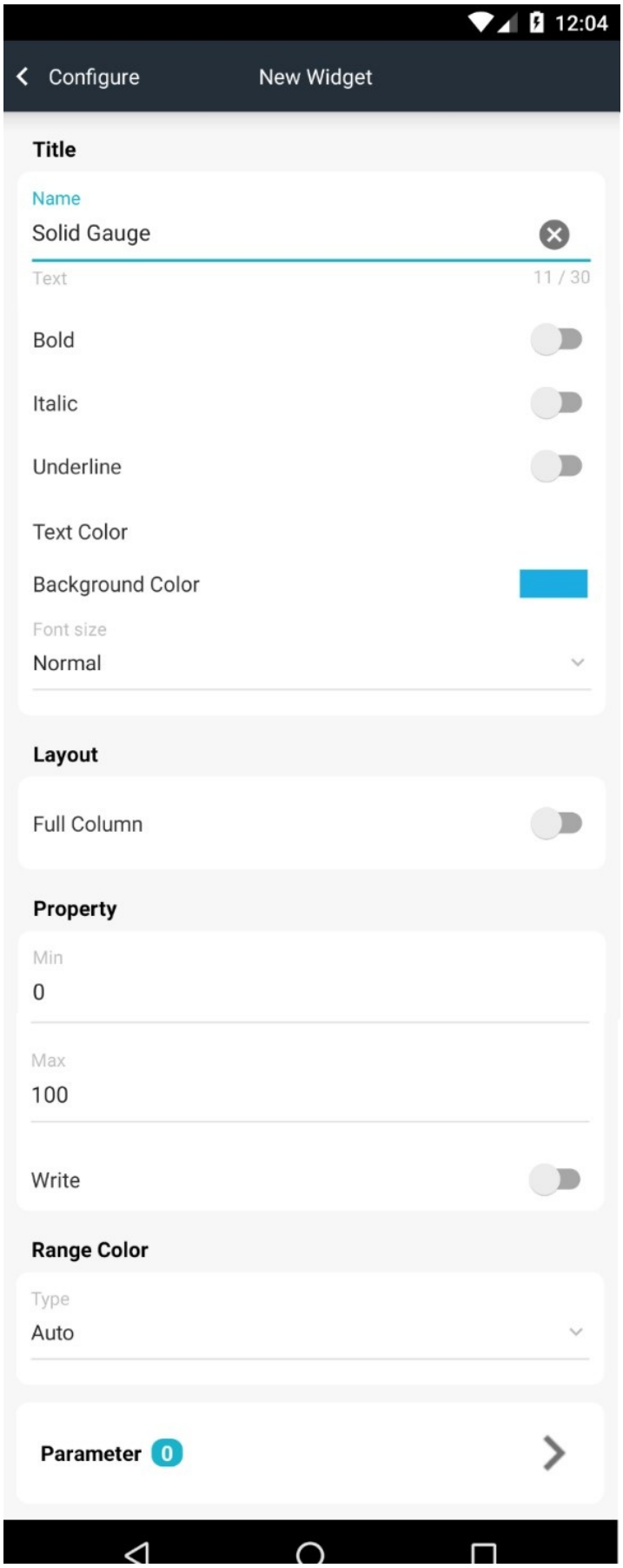


- Parameter: Select parameters to display
  - To select the device name, click on the dropdown list under **Device**
  - Do the same for the **Parameter**
- Name: Select a name to display
  - Select a name according to the database name (Select **Database** ➪ Select **Parameter Name**).
  - For custom naming (Select **Constant** ➪Enter a name for the **Parameter Name**).
- Type: Select the parameter type to display (last log data from Database (**Last value**) / real time value (**realtime value**) from Device.
- Stypes: The parameter format is displayed in the Configuration Parameter List.
  After the configuration is complete, the interface displayed on the Dashboard screen is as follows:



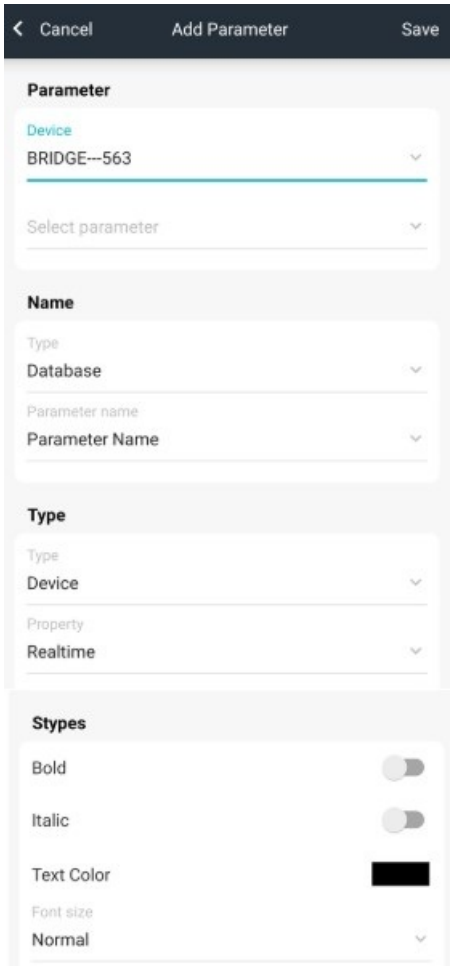
2. Solid Gauge

From the list of widget types as above, choose the**Solid Gauge** interface that appears as follows:



- Title: Set a name and format for the Title of the Widget.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Underline: Drag right to underline.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title (Small – Normal – Large).
- Full Column: Drag to the right, so that the Widget displays the full width of the Dashboard.

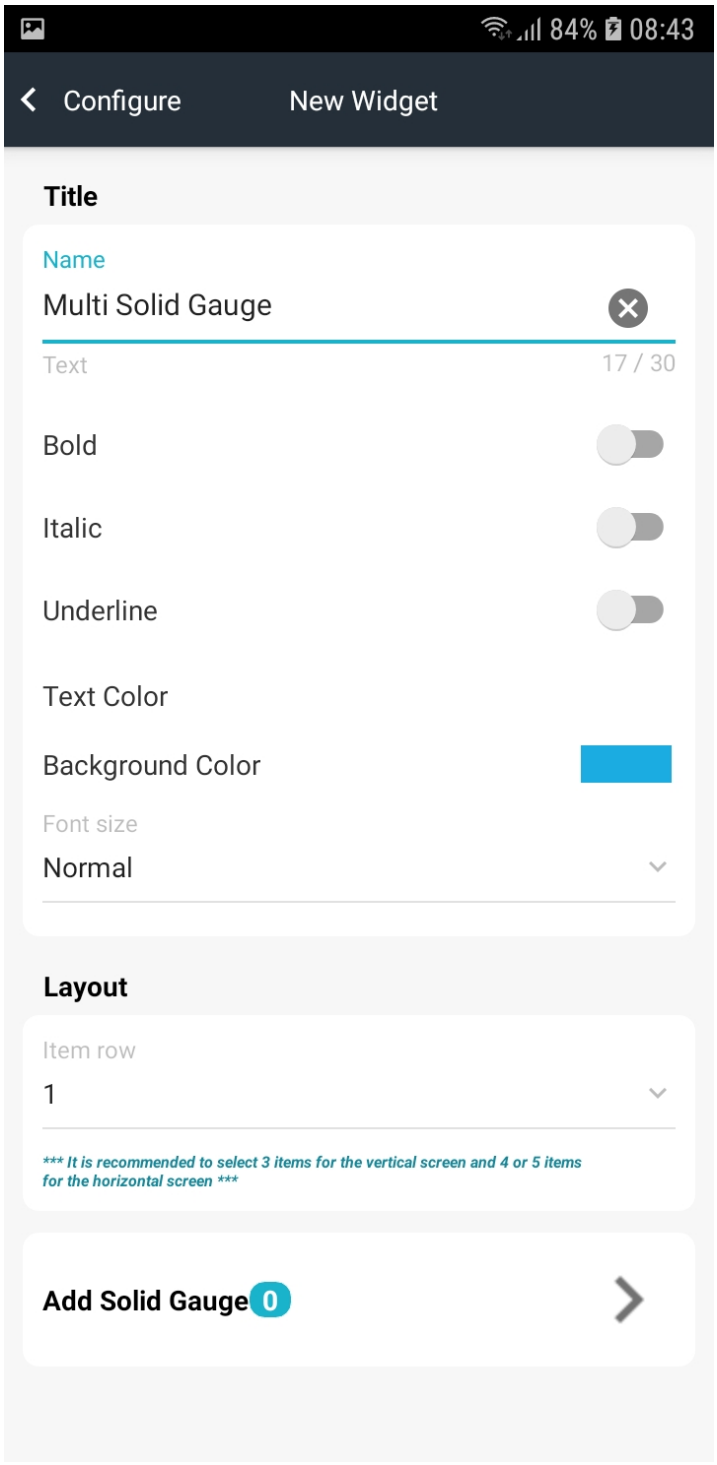
- Property: Set the Min, Max value that the parameter can reach.
- Write: Drag right to allow writing down a parameter (for a parameter with a hex address of 3000-31FF)
- Parameter: Click on **Parameter**, then select **Add** in the upper right corner of the screen.
  The interface appears as follows:



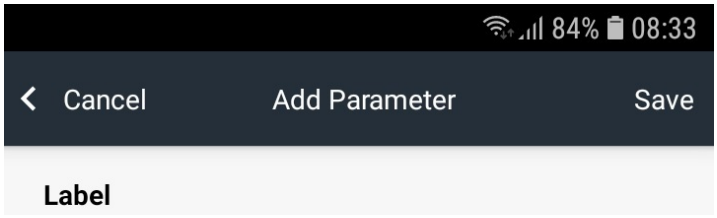
- Parameter: Select parameters to display
  - To select the device name, click on the dropdown list under **Device**
  - Do the same for the **Parameter**
- Name: Select a name to display
  - Select a name according to the database name (Select **Database** ➪ Select **Parameter Name**).
  - For custom naming (Select **Constant** ➪ Điền tên vào **Parameter Name**).
- Type: Select the parameter type to display (last log data from Database (**Last value**) / real time value (**realtime value**) from Device.
- Stypes: The parameter format is displayed in the Configuration Parameter List.
  After the configuration is complete, the interface displayed on the Dashboard screen is as follows:

3. Multi Solid Gauge

From the list of widget types as above, choose the **Multi Solid Gauge** interface that appears as follows:



- Title: Set a name and format for the Title of the Widget.
  - Name: Enter the name you want to display.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Underline: Drag right to underline.
  - Text Color: To choose the color of the text.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title (Small – Normal – Large).
- Layout
  - Item row: Select the number of solid gauges displayed per line (from 1 to 5 solid gauges).
- Add Solid Gauge: Click Select **Add Solid Gauge**, then select **Add** in the upper right corner of the screen. The interface appears as follows:



Name

temp 1st floor

Text

Bold

Italic

Label Color

Parameter

Device

demotrongrau

Select parameter

Name

Type

Database

Parameter name

Parameter Name

Type

Type

Device

Property

Realtime

Property

Min

0

Max

100

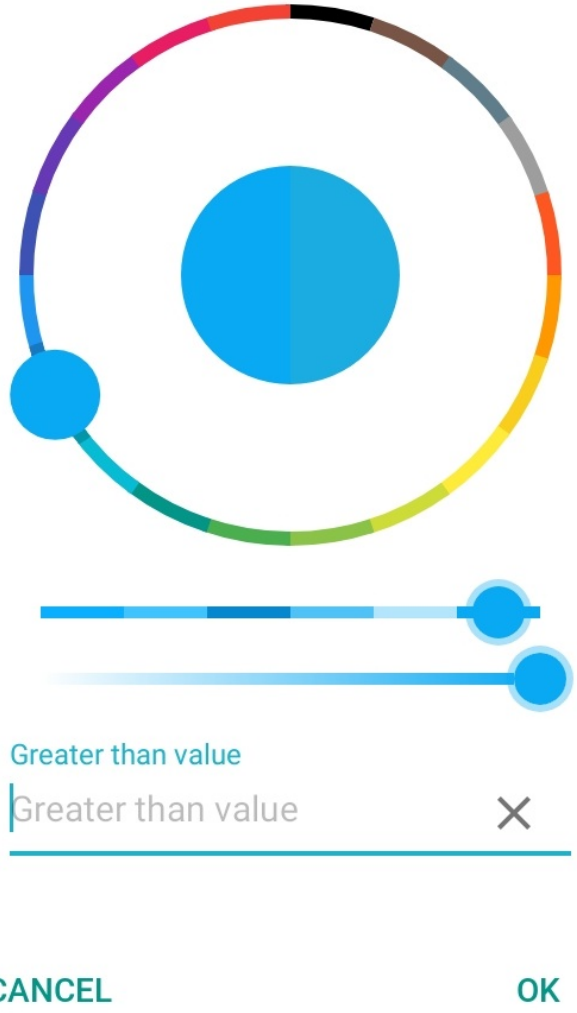
Write

Range Color

Type

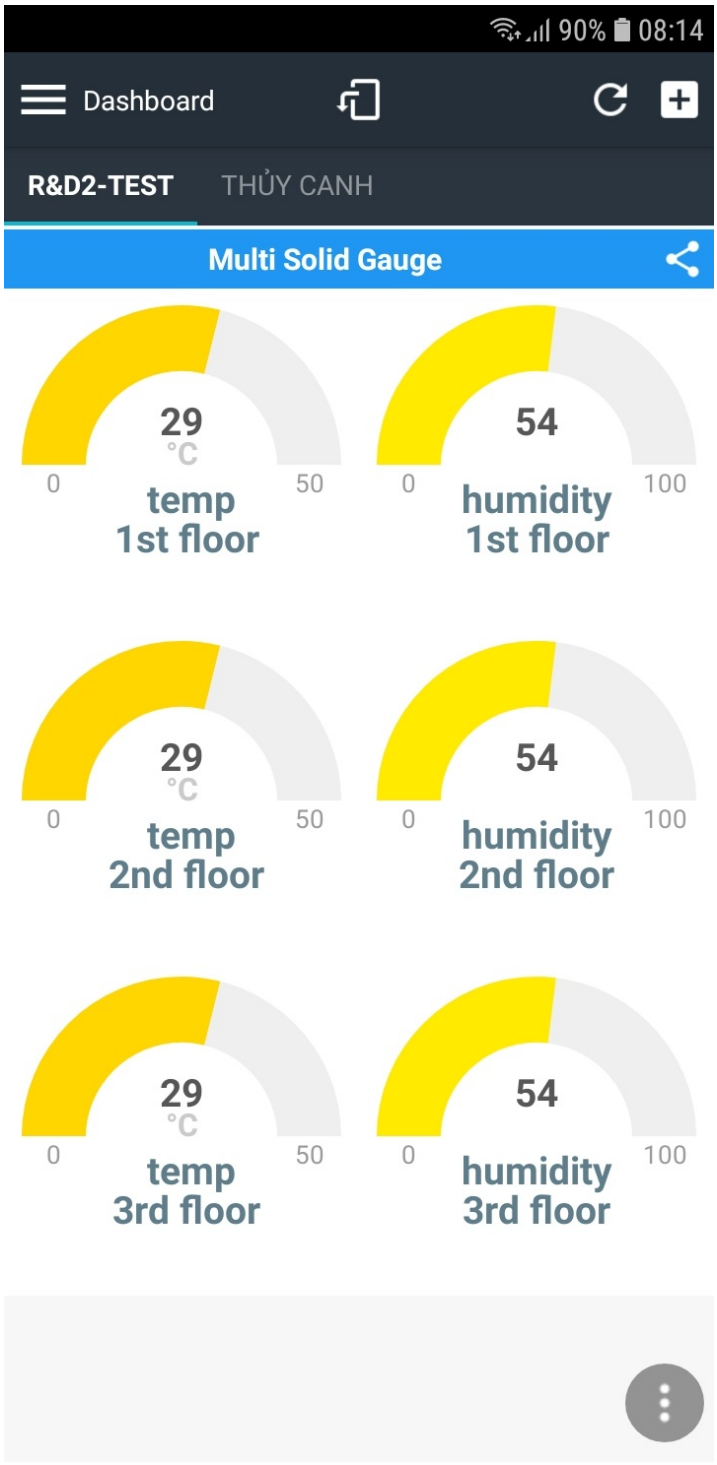
Auto

- Label: Name and format Label for Solid gauge.
  - Name: Enter the name you want to display.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Label Color: To select the color of the text.
- Parameter: Select parameters to display
  - To select the device name, click on the dropdown list under **Device**
  - Do the same for the **Parameter**
- Name: Select a name to display
  - Select a name according to the database name (select **Database** ➪ select **Parameter Name**).
  - For custom naming (Select Constant ➪Enter a name for the Parameter Name).
- Type: Select the parameter type to display (last log data from Database (**Last value**) / real time value (**realtime value**) from Device.
- Property: Set the Min, Max value that the parameter can reach as well as allowing to write down the parameter for the parameter (for parameters with hex address 3000-31FF).
  - Min: the lowest value the parameter can reach.
  - Max: the highest value the parameter can reach.
  - Write: Drag right to enable writing down for the parameter.
- Range Color: Select a display color area
  - Automatic color zone (Select Auto).
  - Custom color zones (Select **Custom** ➪ Select **Add** range color ➪ The interface appears as below).



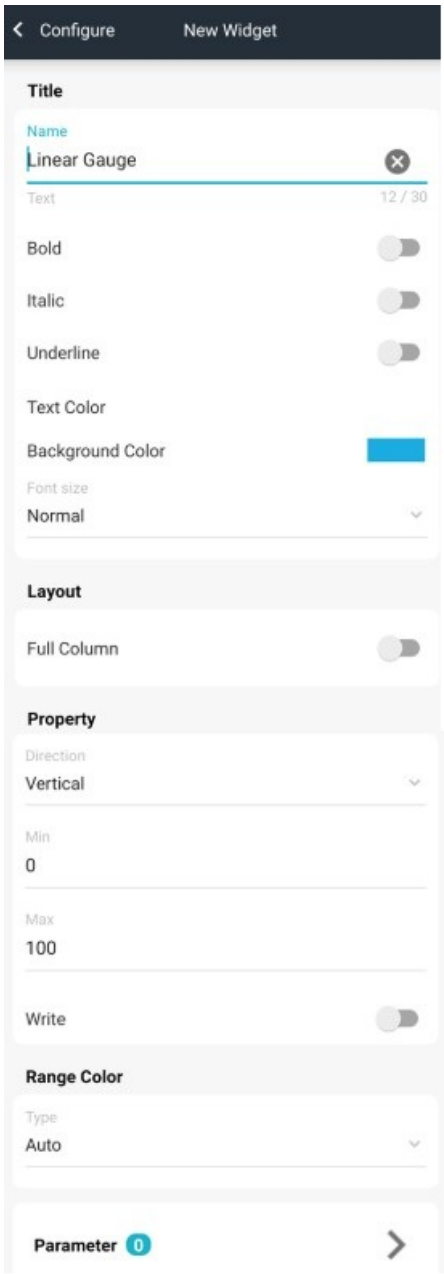
Here we fill in the value and select Select the color you want to display. Then press Select OK to finish the process.

After the configuration is complete, the interface displayed on the Dashboard screen is as follows:

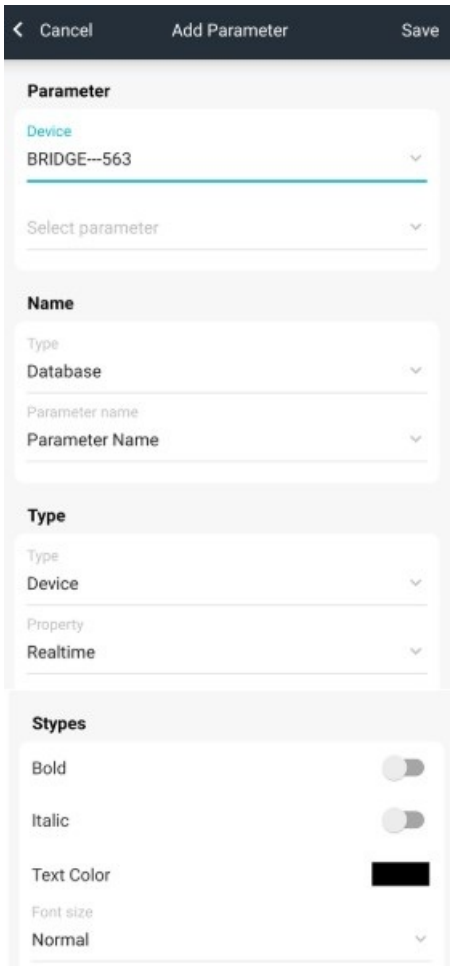


4. Linear Gauge

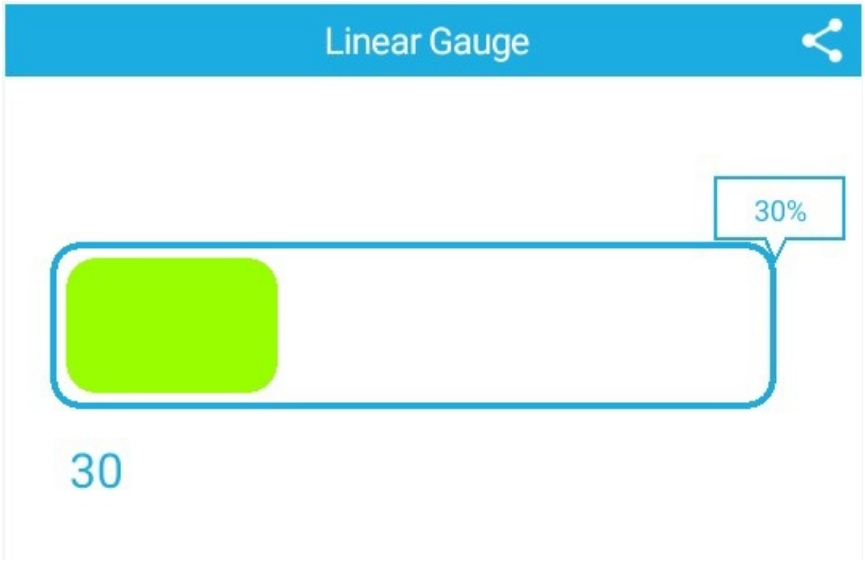
From the interface list of widgets as above, select**Linear Gauge** The interface appears as follows:



- Title: Set a name and format for the Title of the Widget.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Underline: Drag right to underline.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title (Small – Normal – Large).
- Full Column: Drag to the right, so that the Widget displays the full width of the Dashboard.
- Property:
  - Select the horizontal style (Horizontal) or vertical style (Vertical)
  - Set the Min, Max value that the parameter can reach.
- Write: Drag right to allow writing down a parameter (for a parameter with a hex address of 3000-31FF)
- Parameter: Click on **Parameter**, then select **Add** in the upper right corner of the screen.
  The interface appears as follows:

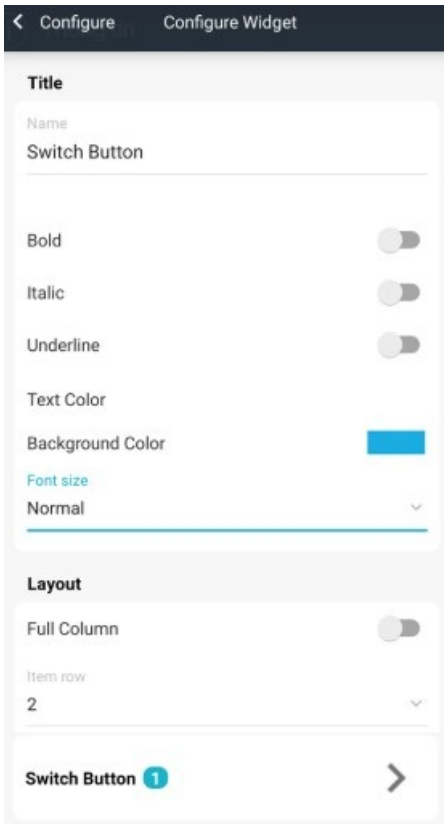


- Parameter: Select parameters to display
  - To select the device name, click on the dropdown list under **Device**
  - Do the same for the **Parameter**
- Name: Select a name to display
  - Select a name according to the database name (Select Database ➪ Select Parameter Name).
  - For custom naming (Select Constant ➪Enter a name for the Parameter Name).
- Type: Select the parameter type to display (last log data from Database (Last value) / real time value (realtime value) from Device.
- Stypes: The parameter format is displayed in the Configuration Parameter List.
  After the configuration is complete, the interface displayed on the Dashboard screen is as follows:

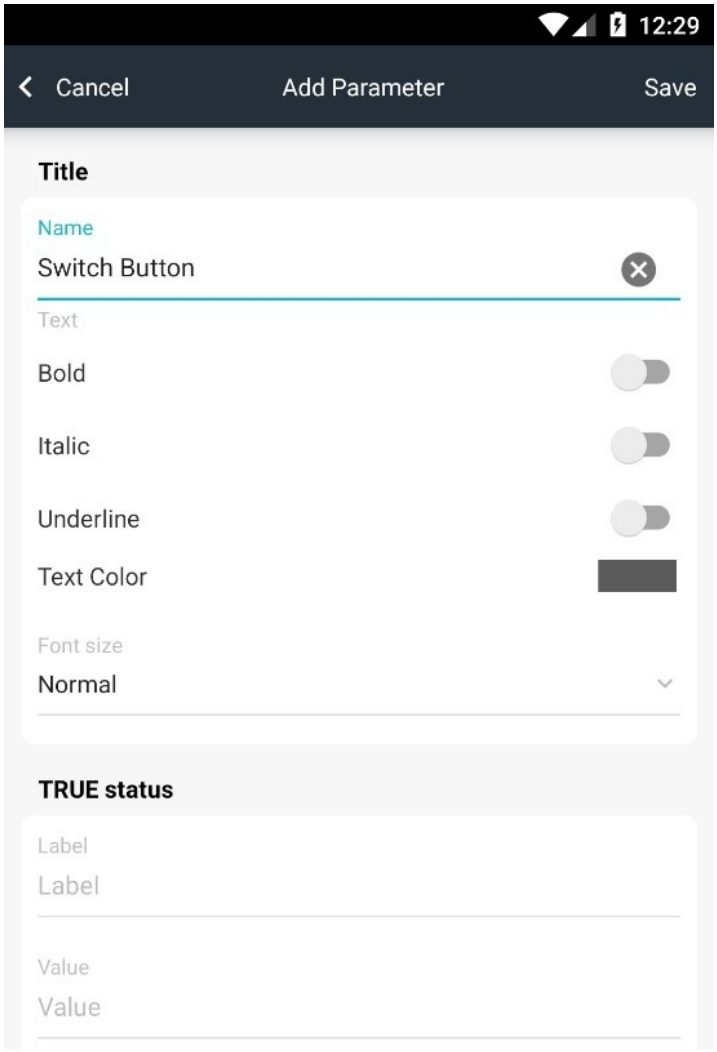


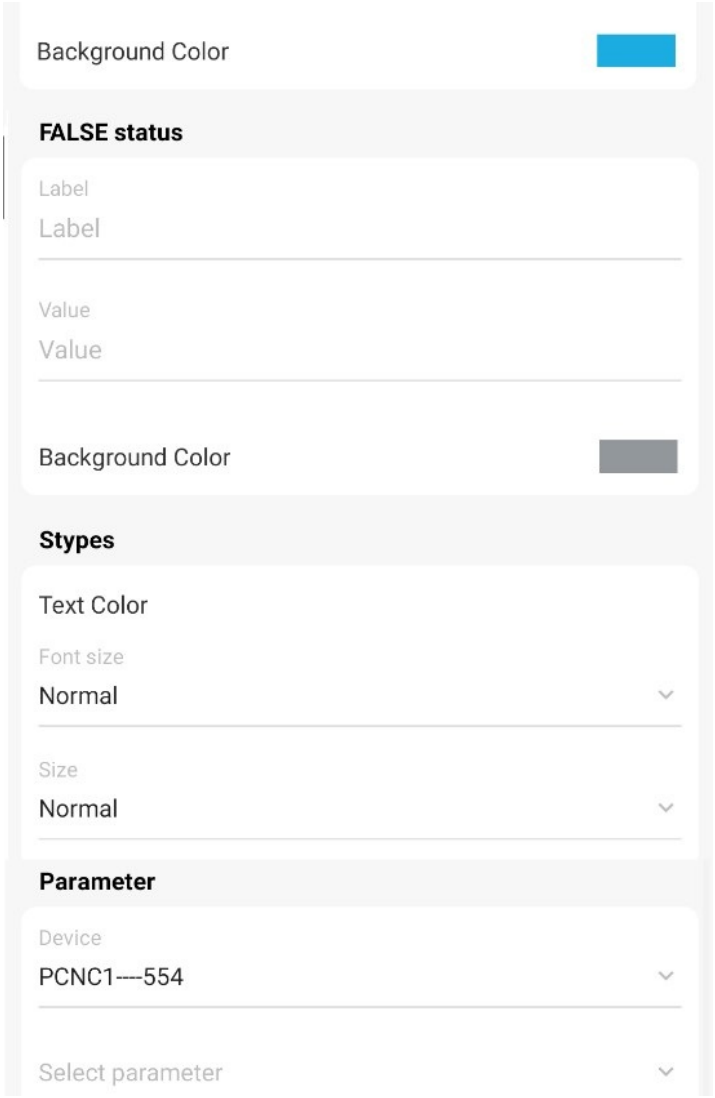
5. Switch Button

From the list of widget types as above, choose the **Switch Button** interface that appears as follows:



- Title: Name and format the title of the Title
- Layout :
  - Full Column: Drag right to show the full column for Widget
  - Item row: Select 1-5 columns
- Switch Button: Click Add to configure the Widget
  The interface appears as follows:





- Title: Implementation is similar to the parameter setting interface for the Widget
- TRUE status:
  - Label: name displayed when in True state
  - Value: setting value to write down parameter
  - Background color: background color when in True state
- FALSE status:
  - Label: name displayed when in False state
  - Value: setting value to write down parameter
  - Background color: background color when in False state
- Stypes:
  - Text color: the text color shows the status
  - Font size: font size settings
  - Size: switch button size
- Parameter: Select parameters to display
  - To select the device name, click on the dropdown list under **Device**
  - Do the same for the **Parameter**

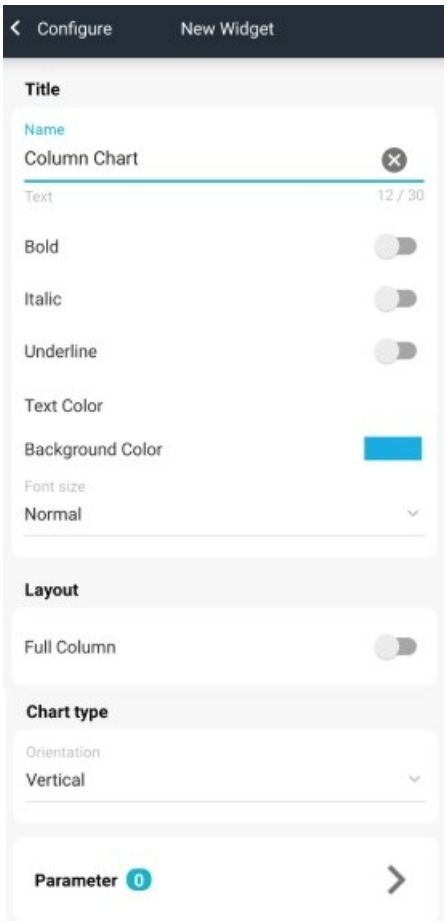
After the configuration is complete, the interface displayed on the Dashboard screen is as follows:



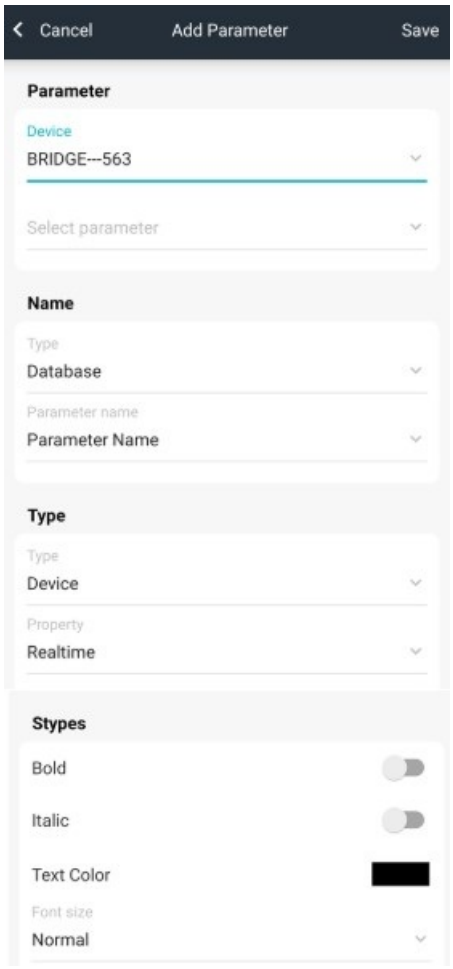
B. Monitoring Group

1. Column Chart

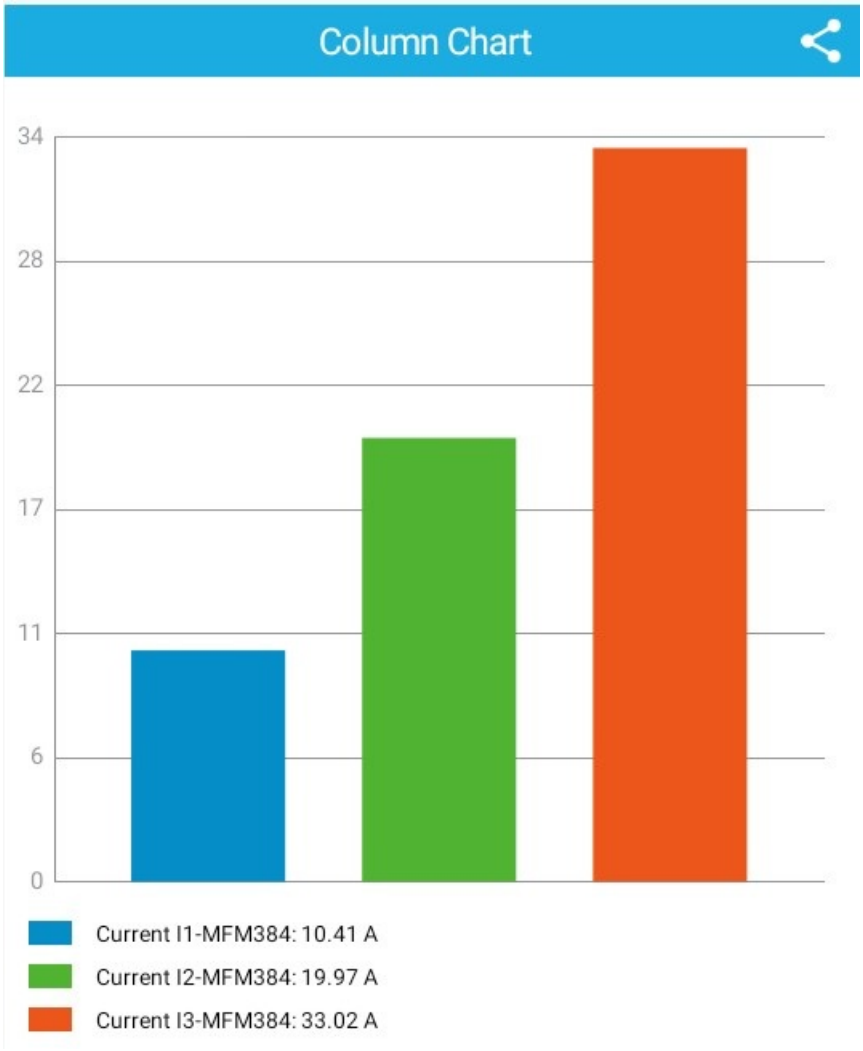
From the list of widget types as above, choose the**Column Chart** interface that appears as follows:



- Title: Set a name and format for the Title of the Widget.
  • Bold: Drag right to bold.
  • Italic: Drag right to italicize.
  • Underline: Drag right to underline.
  • Background Color: To select a color for the background.
  • Font size: Select a size for Title (Small – Normal – Large).
- Layout
  • Full Column: Drag to the right, so that the Widget displays the full width of the Dashboard.
- Chart Type:
  • Select the horizontal style (Horizontal) or vertical style (Vertical)
- Parameter: Click on **Parameter**, then select **Add** in the upper right corner of the screen.
  The interface appears as follows:

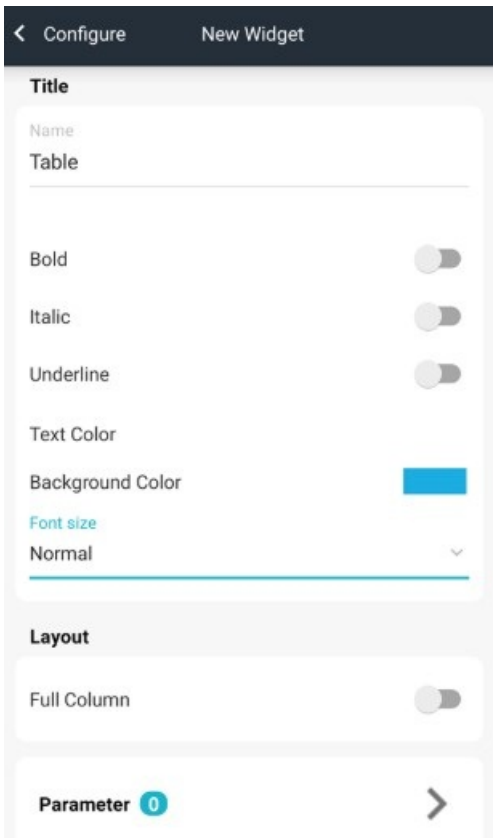


- Parameter: Select parameters to display
  - To select the device name, click on the dropdown list under **Device**
  - Do the same for the **Parameter**
- Name: Select a name to display
  - Select a name according to the database name (Select **Database** ➪ Select **Parameter Name**).
  - For custom naming (Select Constant ➪Enter a name for the Parameter Name).
- Type: Select the parameter type to display (last log data from Database (**Last value**) / real time value (**realtime value**) from Device.
- Stypes: The parameter format is displayed in the Configuration Parameter List.
  After the configuration is complete, the interface displayed on the Dashboard screen is as follows:



2. Table

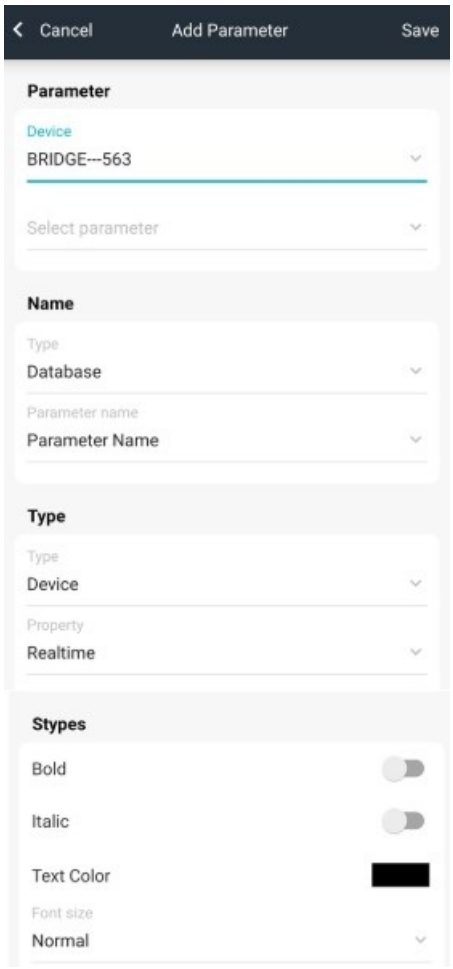
From the list of widget types as above, choose the**Table** interface that appears as follows:



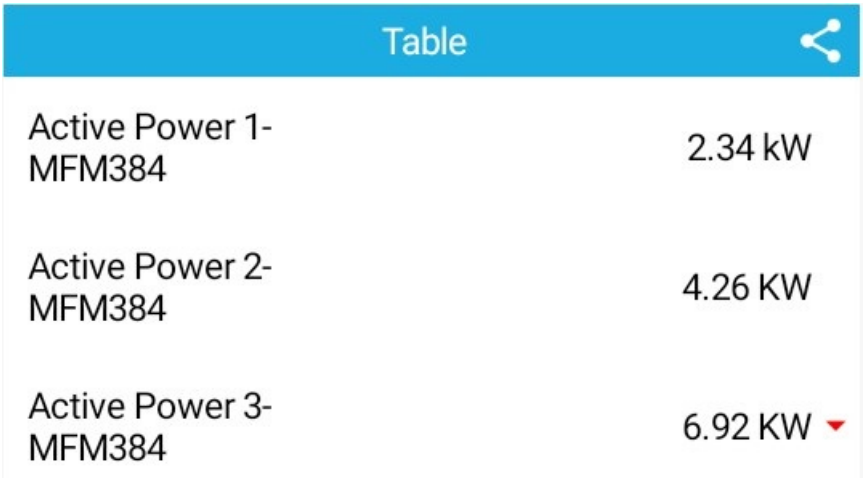
- Title: Set a name and format for the Title of the Widget.

- Bold: Drag right to bold.
- Italic: Drag right to italicize.
- Underline: Drag right to underline.
- Background Color: To select a color for the background.
- Font size: Select a size for Title (Small – Normal – Large).

- Full Column: Drag to the right, so that the Widget displays the full width of the Dashboard.
- Parameter: Click on **Parameter**, then select **Add** in the upper right corner of the screen.
  The interface appears as shown below:

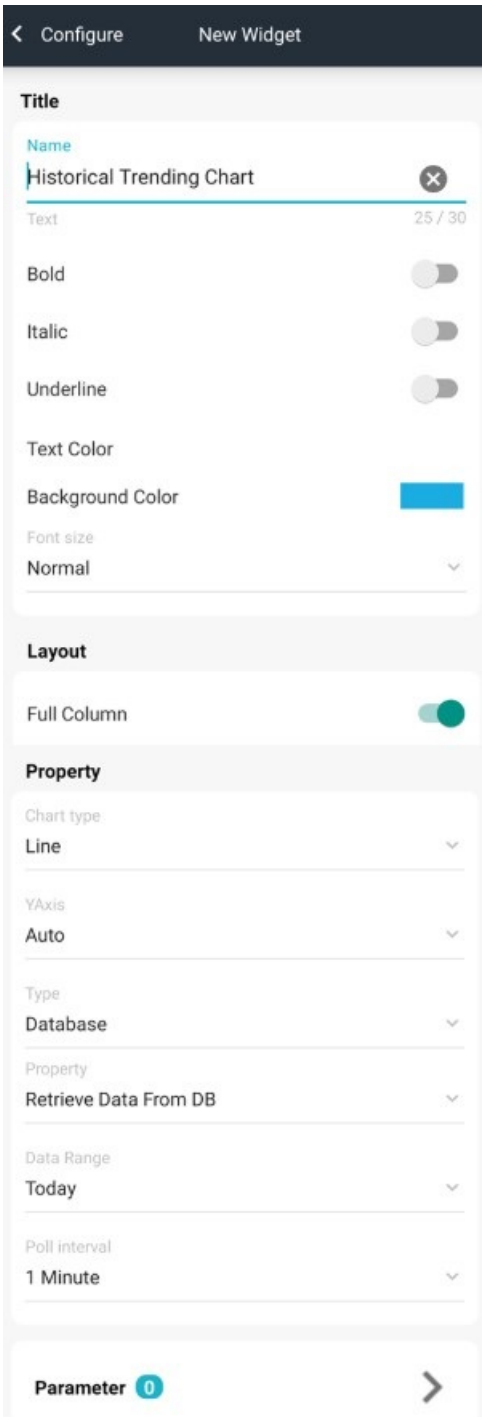


- Parameter: Select parameters to display
  - To select the device name, click on the dropdown list under **Device**
  - Do the same for the **Parameter**
- Name: Select a name to display
  - Select a name according to the database name (Select **Database** ➪ Select **Parameter Name**).
  - For custom naming (Select **Constant** ➪Enter a name for the **Parameter Name**).
- Type: Select the parameter type to display (last log data from Database (**Last value**) / real time value (**realtime value**) from Device.
- Stypes: The parameter format is displayed in the Configuration Parameter List.
  After the configuration is complete, the interface displayed on the Dashboard screen is as follows:



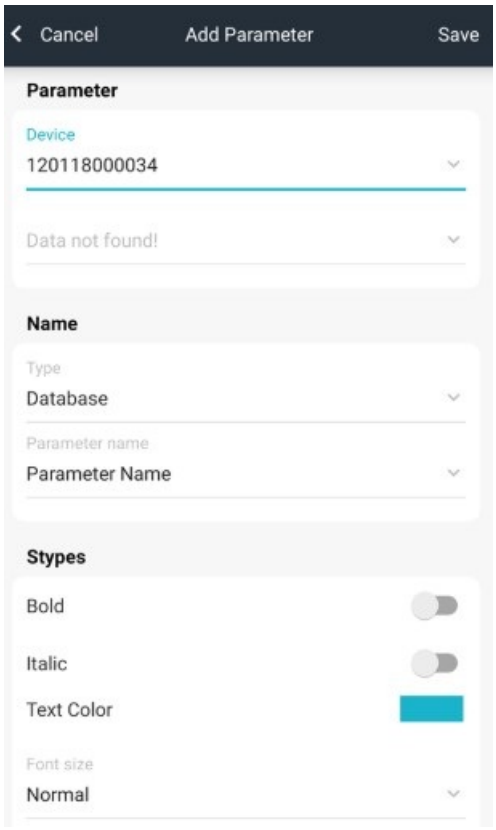
3. Historical Trending Chart

From the list of widget types as above, choose the **Historical Trending Chart** interface that appears as follows:

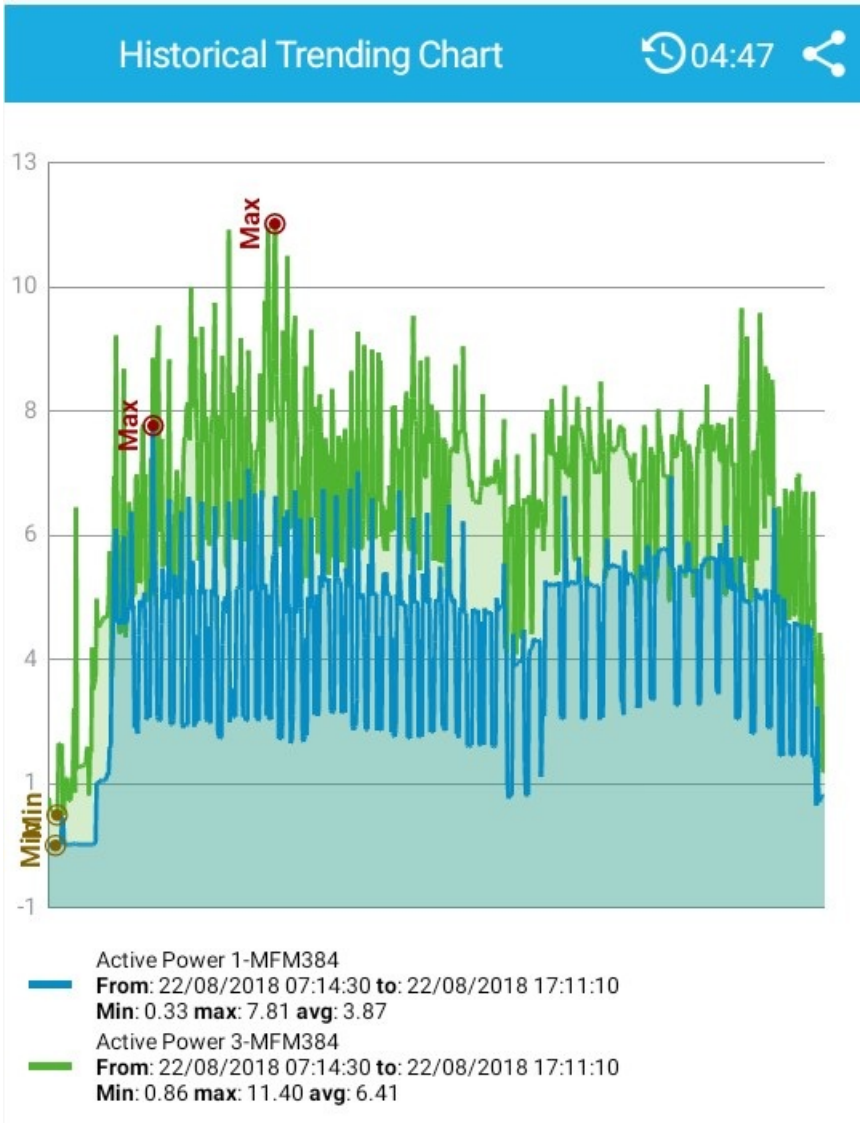


- Title: Set a name and format for the Title of the Widget.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Underline: Drag right to underline.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title (**Small – Normal – Large**).
- Full Column: Drag to the right, so that the Widget displays the full width of the Dashboard.
- Property:
  - Chart Type: Select the chart style, line (**Line**), curve (**Spline**), column (**Area**), region (**Spline Area**)
  - YAxis: Give the y-axis an automatic (**Auto**) or an adjusted (**Fixed**) value.
  - Type:
    + Database: If you want to get data from the database (Property: Get the latest data updated into the database (**Last value**) or retrieve data from the database (**Retrieve Data from DB**) specifying the date of retrieving data (Data range: **Today**, **yesterday**, **last 3 day**, **custom**) and the time interval to retrieve data (poll interval: **1,5,10,15 minutes**)).
    + Device: Get real-time data from the device (Property: **Realtime**).

- Parameter: Click on **Parameter**, then select **Add** in the upper right corner of the screen.
  The interface appears as follows:

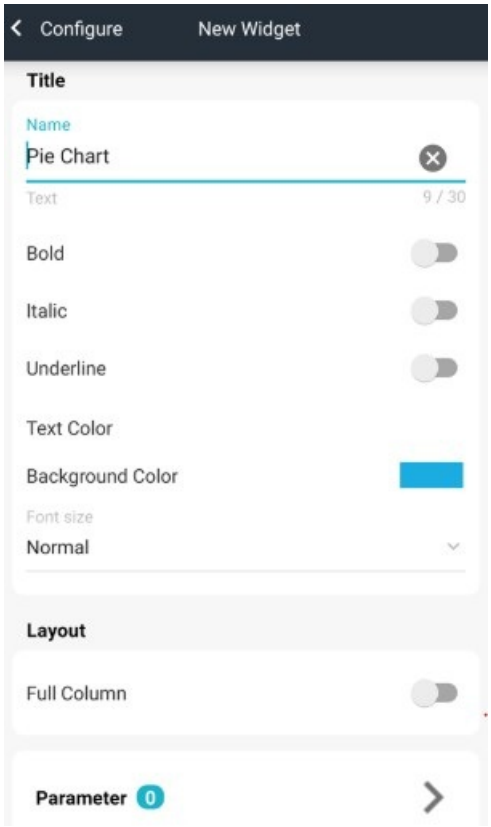


- Parameter: Select parameters to display
  - To select the device name, click on the dropdown list under **Device**
  - Do the same for the **Parameter**
- Name: Select a name to display
  - Select a name according to the database name (Select **Database** ➪ Select **Parameter Name**).
  - For custom naming (Select **Constant** ➪Enter a name for the **Parameter Name**).
- Stypes: The parameter format is displayed in the Configuration Parameter List.
  After the configuration is complete, the interface displayed on the Dashboard screen is as follows:

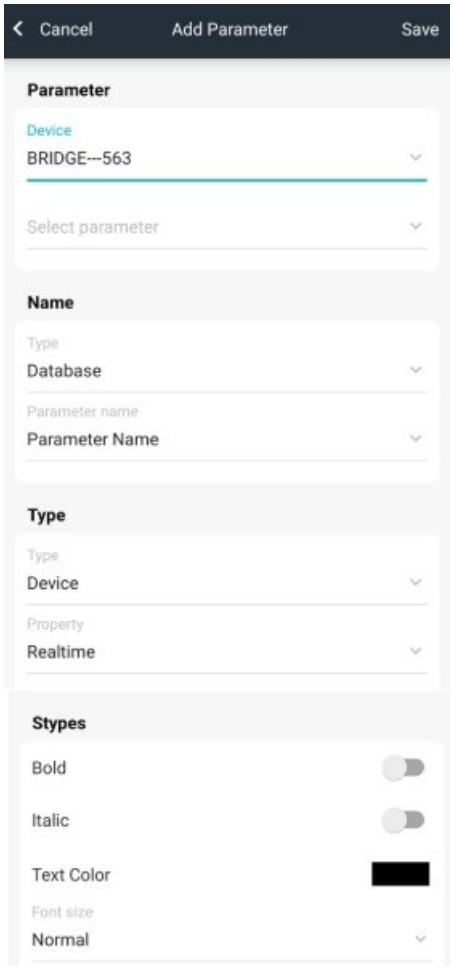


4. Pie Chart

From the list of widget types as above, choose the**Pie Chart** interface that appears as follows:

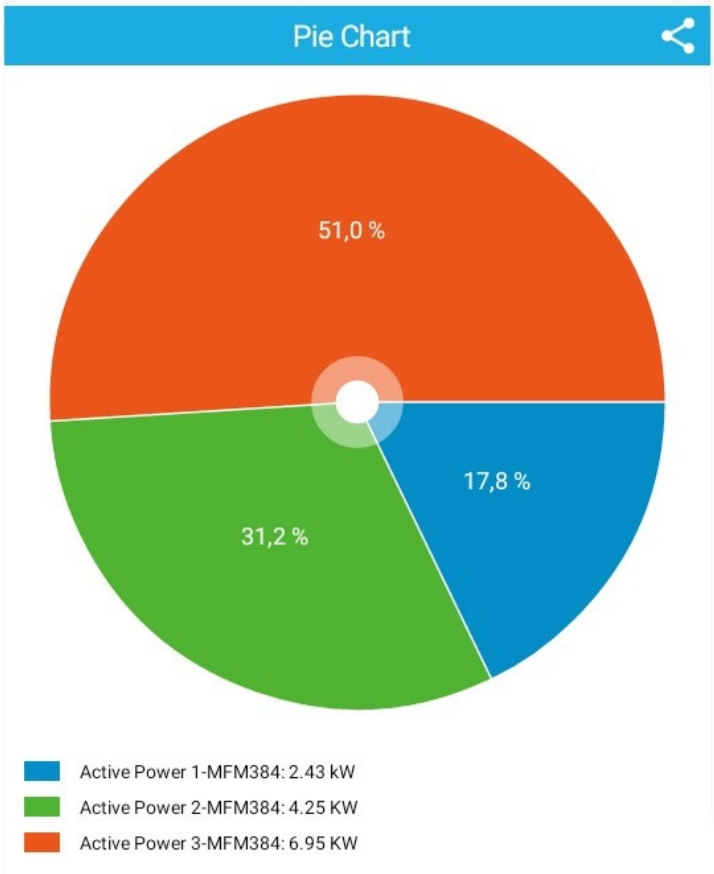


- Title: Set a name and format for the Title of the Widget.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Underline: Drag right to underline.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title (**Small – Normal – Large**).
- Full Column: Drag to the right, so that the Widget displays the full width of the Dashboard.
- Parameter: Click on **Parameter**, then select **Add** in the upper right corner of the screen.
  The interface appears as follows:



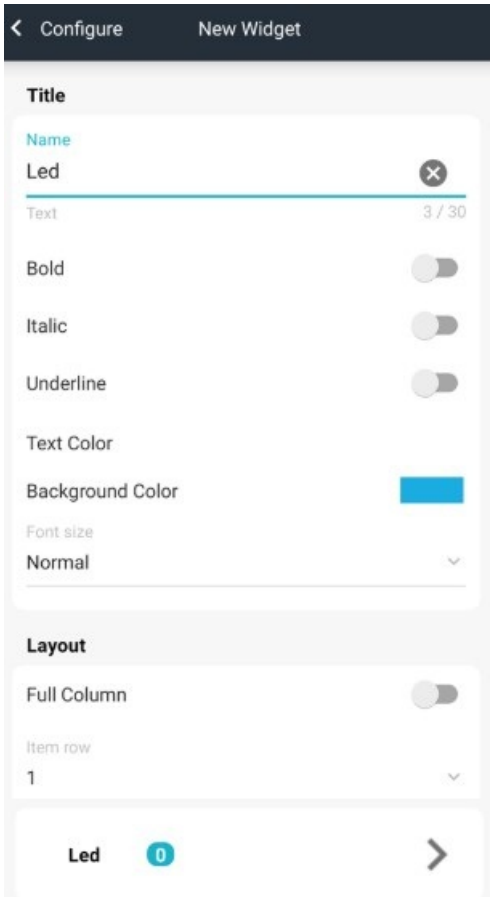
- Parameter: Select parameters to display
  - To select the device name, click on the dropdown list under **Device**
  - Do the same for the **Parameter**
- Name: Select a name to display
  - Select a name according to the database name (Select Database ➪ Select Parameter Name).
  - For custom naming (Select Constant ➪Enter a name for the Parameter Name).
- Type: Select the parameter type to display (last log data from Database (**Last value**) / real time value (**realtime value**) from Device.
- Stypes: The parameter format is displayed in the Configuration Parameter List.

After the configuration is complete, the interface displayed on the Dashboard screen is as follows:



5. Led

From the list of widget types as above, choose the**Led** interface that appears as follows:

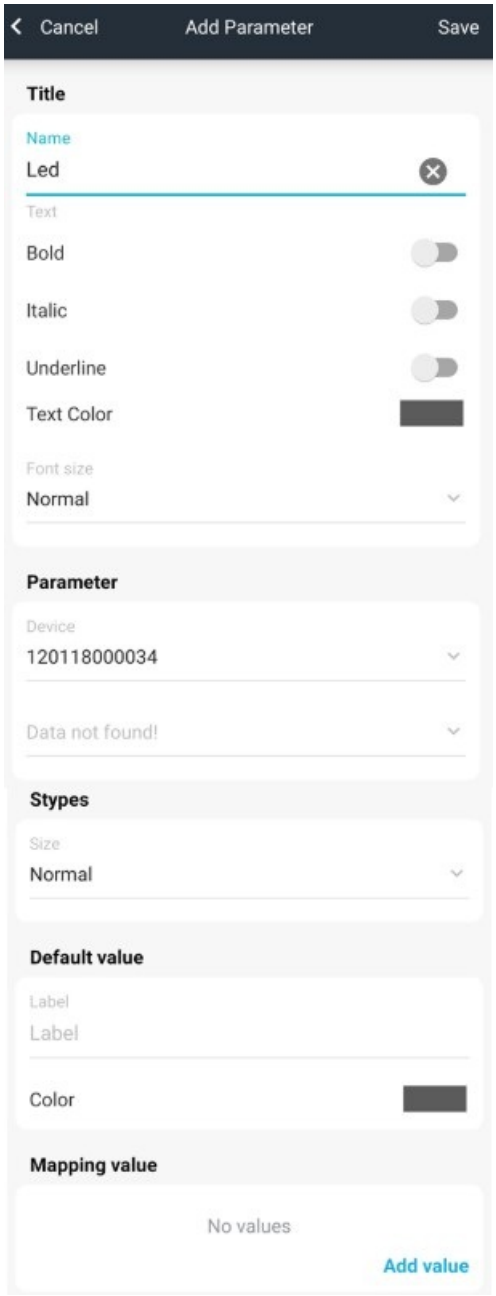


- Title: Set a name and format for the Title of the Widget.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.

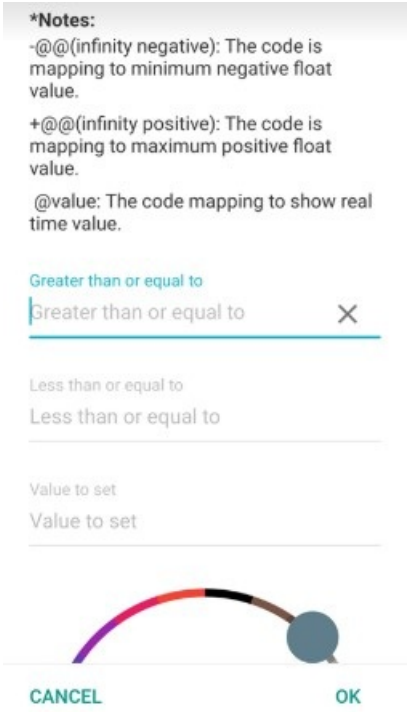
- Underline: Drag right to underline.
- Background Color: To select a color for the background.
- Font size: Select a size for Title (**Small – Normal – Large**).

- Full Column: Drag to the right, so that the Widget displays the full width of the Dashboard.
- Item row: Select the number of columns in Widget, 1-5 columns
- Led : Click on **Led**, then select **Add** in the upper right corner of the screen.

The interface appears as follows:



- Title: Name and format the Title of the Led.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Underline: Drag right to underline.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title (Small – Normal – Large).
- Parameter: Select parameters to display
  - To select the device name, click on the dropdown list under **Device**
  - Do the same for the **Parameter**
- Stypes: The parameter format is displayed in the Configuration Parameter List.
- Default value: Choose values and colors for default display.
- Mapping value: To add value, press **Add value**, the interface screen appears as follows:

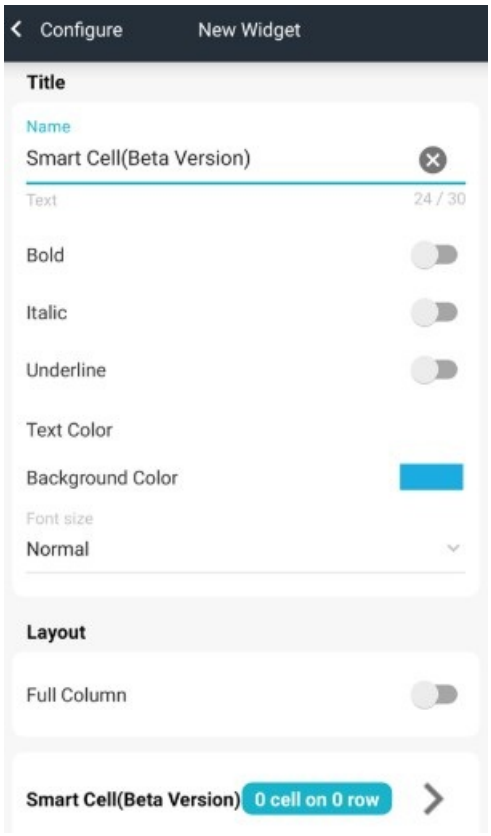


Greater than or equal to: Enter the lower threshold (>=)
• Less than or equal to: Enter the upper threshold (<=)
• Value to set: Enter the value and select the display color, when the parameter's value is within the range you set above.
After the configuration is complete, the interface displayed on the Dashboard screen is as follows:

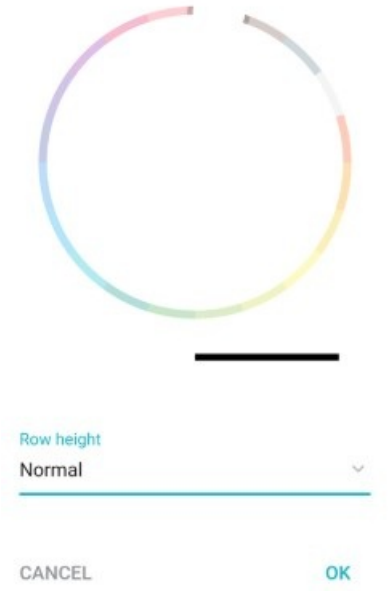


6. Smart Cell

From the list of widget types as above, choose the**Smart Cel**l interface appears as follows:

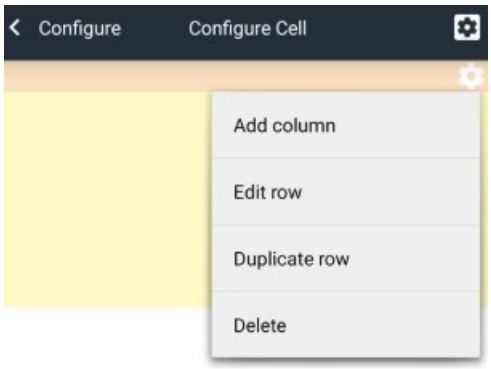


- Title: Set a name and format for the Title of the Widget.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Underline: Drag right to underline.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title (**Small – Normal – Large**).
  - Full Column: Drag to the right, so that the Widget displays the full width of the Dashboard.
- Smart Cell (Beta Version): Click to enter the smart cell creation screen. Then click Add Row to create a smart cell. The screen displays the interface as shown below



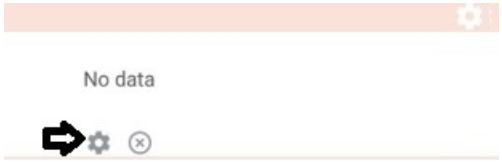
Row Height: Select line width (**small, normal, large, Xlarge, XXlarge**) ➪ Then click OK.

Then click on the icon the right corner of your smart cell, as shown below:

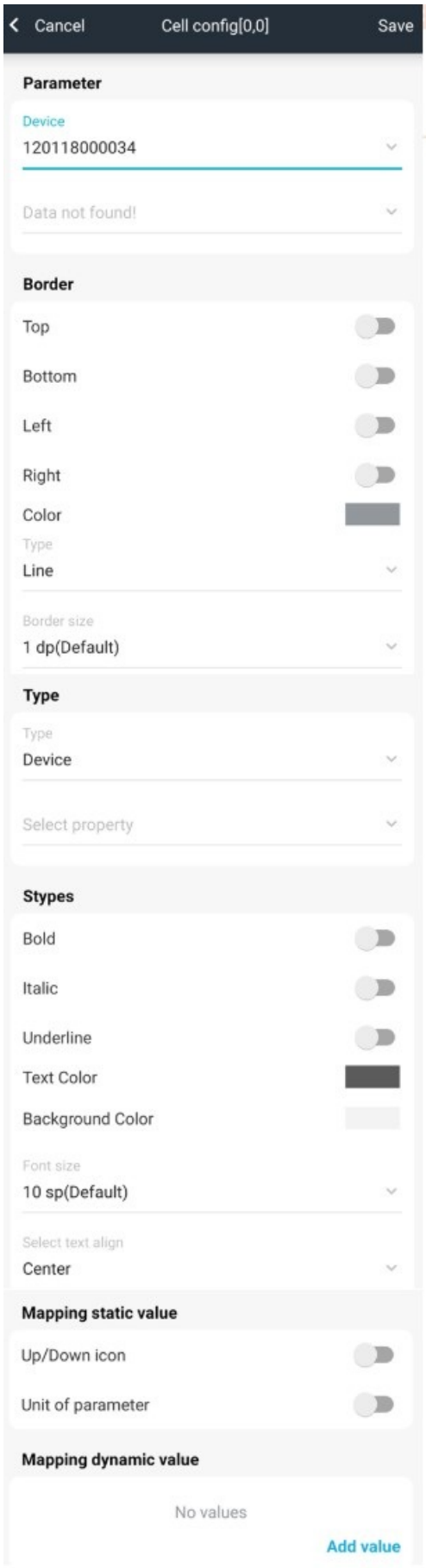


- Add Column: To add columns for smart cell
- Edit row: to edit smart cell
- Duplicate row: to clone a smart cell
- Delete: to delete a smart cell
  Select Add Column: Then enter the number of % you want the created column to occupy in the smart cell (<=100). Then click OK.

  Then click on the icon as shown below:



The interface appears as follows:



Parameter: Select parameters to display

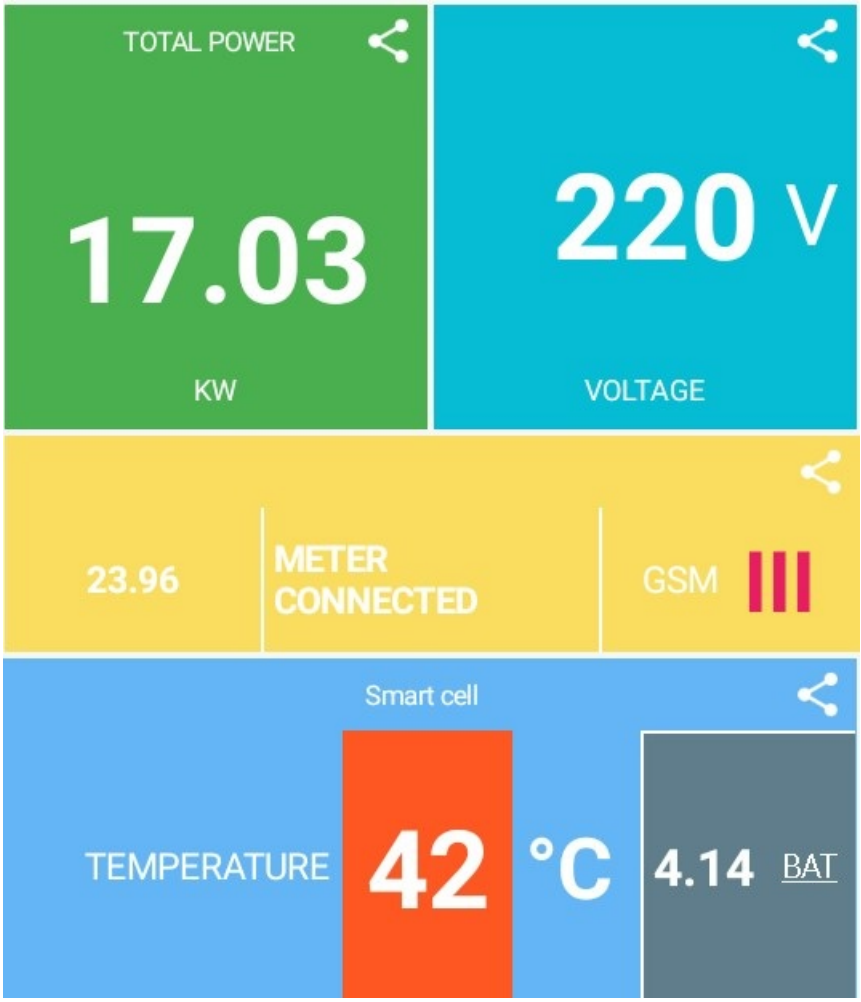
- To select the device name, click on the dropdown list under **Device**
- Do the same for the **Parameter**

- Border:
  - Drag to select to draw borders (top, bottom, left, right) for the smart cell.
  - Type: line style (Line) or dotted line style (dotted line)
  - Border size: for contour size (**1,2,3,4,5dp**)

- Type:
  - Device: Get real-time value from device (Property: **Realtime**)
  - Constant: Set default values (Constant Name: Enter the name you want to display)
  - Database: Select retrieved from database (Device Name: name of the device, Parameter Name: name of the parameter, Unit: units of the parameter, Last value: The latest parameter's value is updated to the database)
- Stypes: Format for the value displayed on the smart cell
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Underline: Drag right to underline.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title (sp)
  - Select text align: Display position of the parameter (**center, left, right, top, button**)
- Mapping dynamic value: To add value, select **Add value**, the interface screen appears as follows:

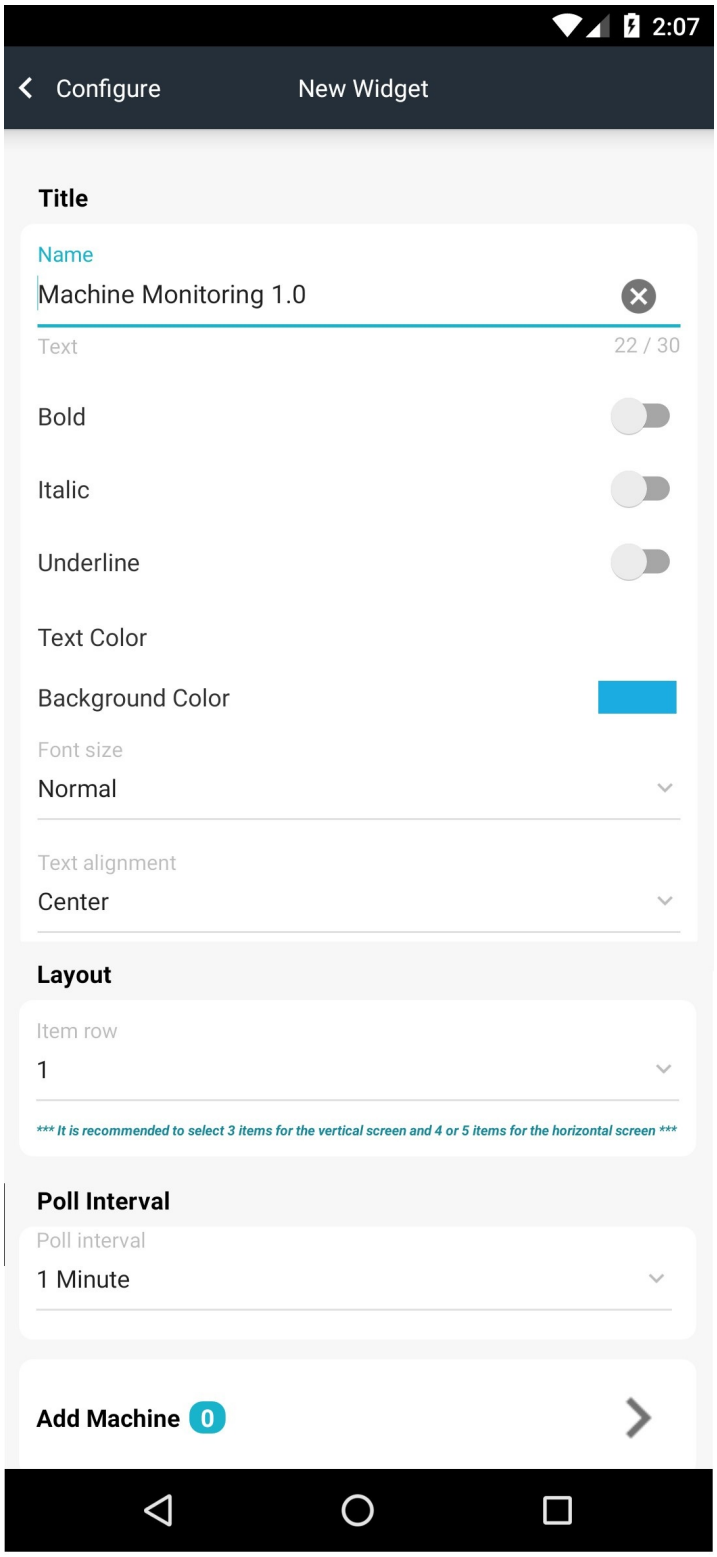


- Greater than or equal to: Enter the lower threshold (>=)
- Less than or equal to: Enter the upper threshold (<=)
- Value to set: Enter the value and select the display color, when the parameter's value is within the range you set above.
  After the configuration is complete, the interface displayed on the Dashboard screen is as follows:

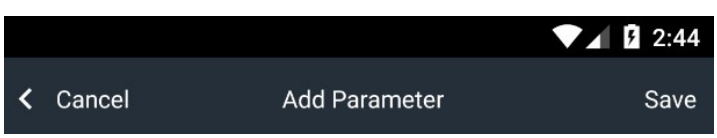


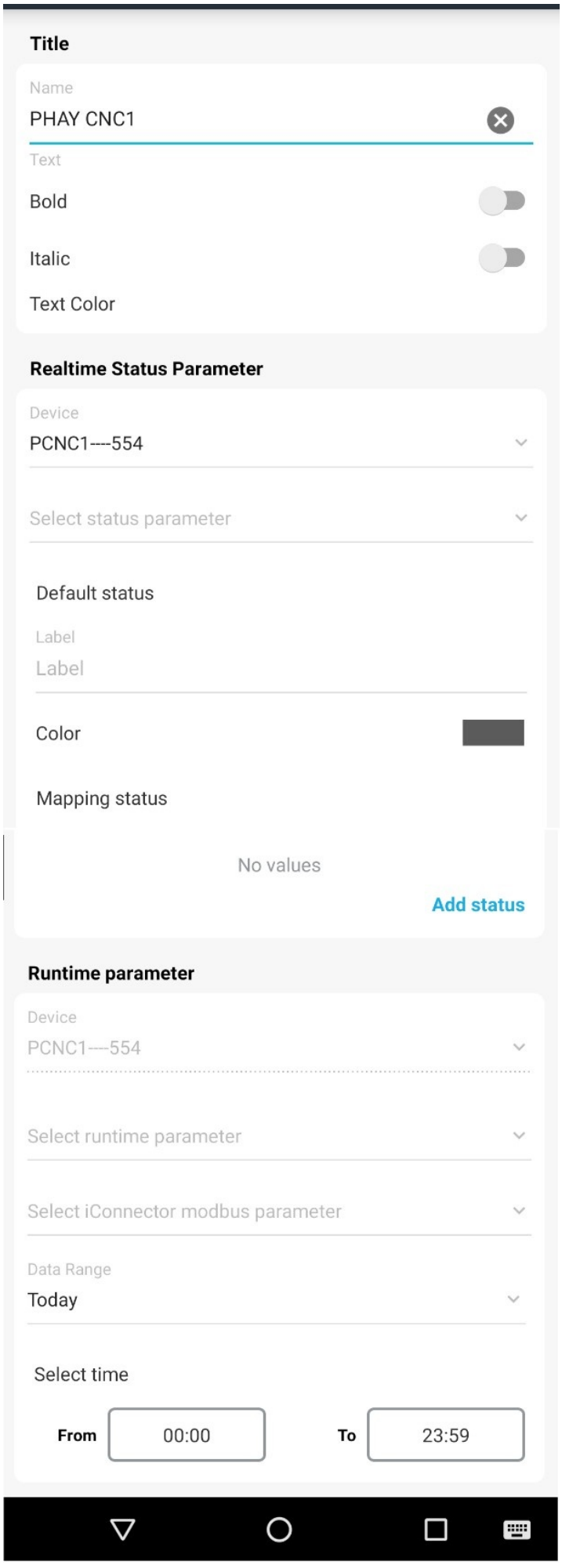
7. Machine Monitoring 1.0

From the interface in the list of widgets as above, select**Machine monitoring 1.0** interface that appears as follows:



- Title: Set a name and format for the Title of the Widget.
  - Bold: Drag right to bold.
  - Italic: Kéo right to italicize.
  - Underline: Drag right to underline.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title (**Small – Normal – Large**).
  - Text alignment: Align for Title (**Left – Center - Right**).
- Layout:
  - Item row: Number of machines displayed per line (**1-5 machines**).
- Poll interval: Time to update the runtime value (**1 minute - 5 minutes - 10 minutes - 15 minutes**).
- Add machine: Select **Add machine**, Then select **Add** in the upper right corner of the screen. The screen appears as follows:

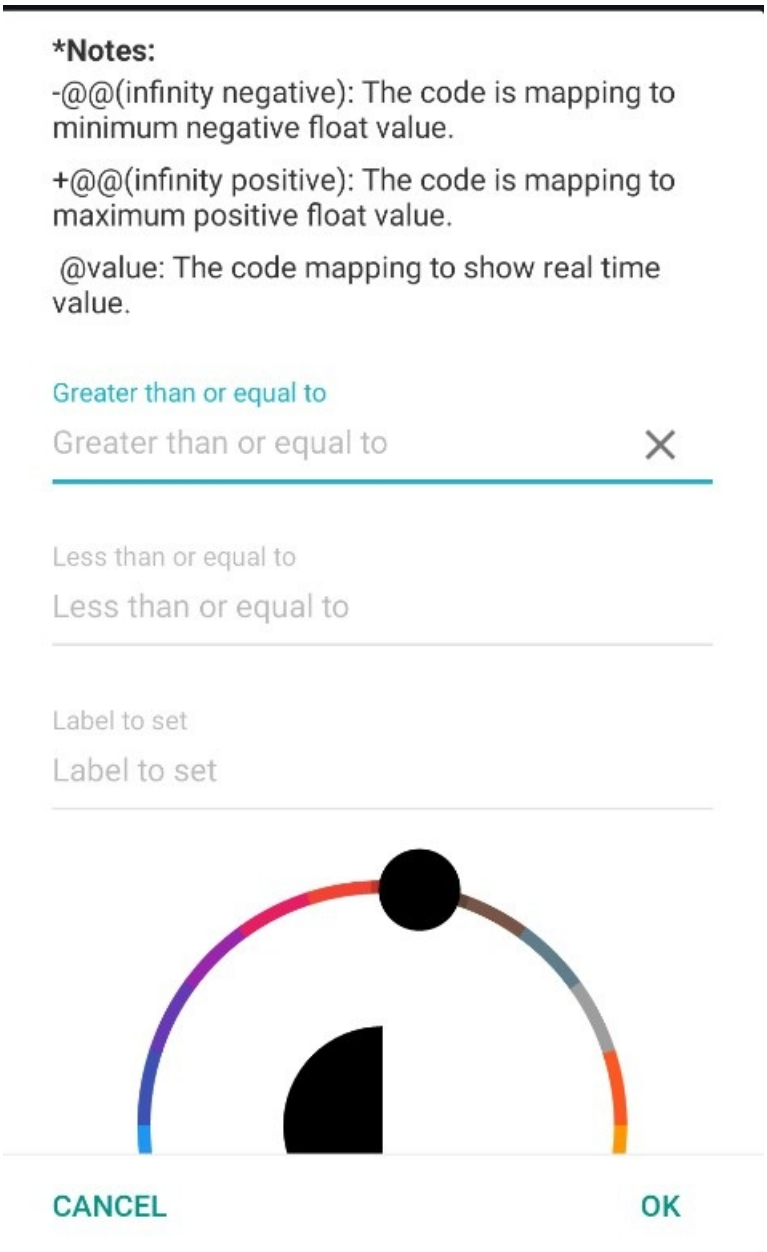




- Title: Name and format the Title of the Machine monitoring
  - Name: Name of Machine monitoring

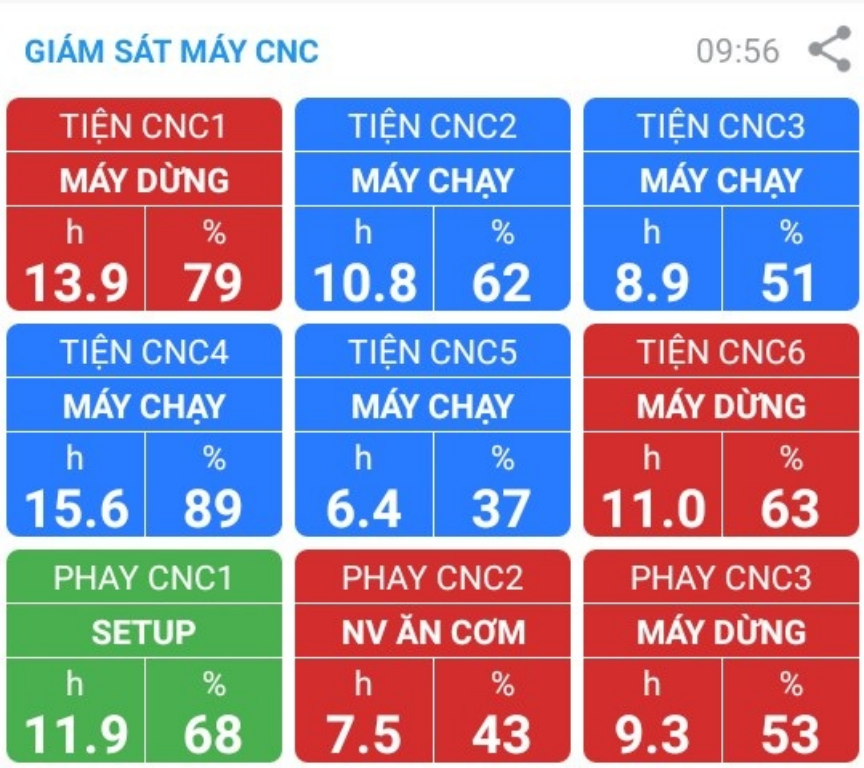
- Bold: Drag right to bold.
- Italic: Drag right to italicize.
- Text color: to select the text color to display.

- Realtime status parameter: select parameters to display realtime
  - To select the device name, click on the dropdown list under **Device**.
  - Do the same for the **Parameter**.
- Default status:
  - Set the status name when in the default status on the label.
  - Select the background color when in the default state in Color.
- Mapping status:Mapping value to display realtime. To create new values, click on **Add a sites**, the screen displays like this:



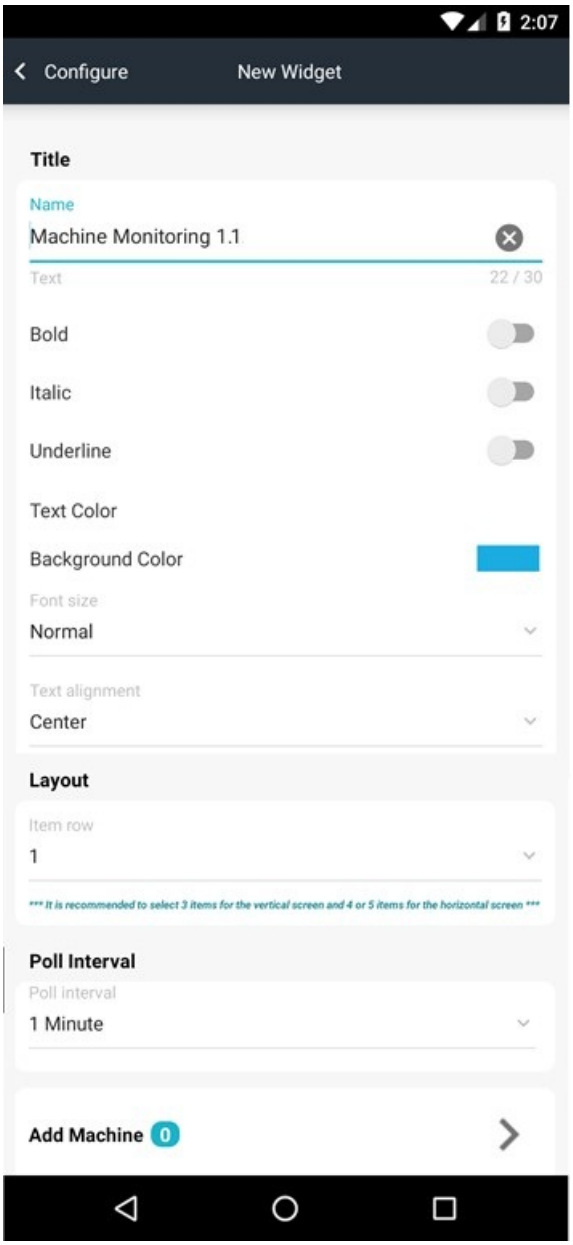
• Greater than or equal to: Enter the lower threshold (>=)
• Less than or equal to: Enter the upper threshold (<=)
• Label to set: Enter a status and background color to display

- Runtime parameter: parameter selection to display the runtime value
  - To select the device name, click on the dropdown list under **Device**.
  - Do the same for the **Parameter**.
- Data range: choose a time for **TODAY**, **YESTERDAY** or **CUSTOM**
- Select time: select the time point to get data from
  After the configuration is complete, the interface displayed on the Dashboard screen is as follows:

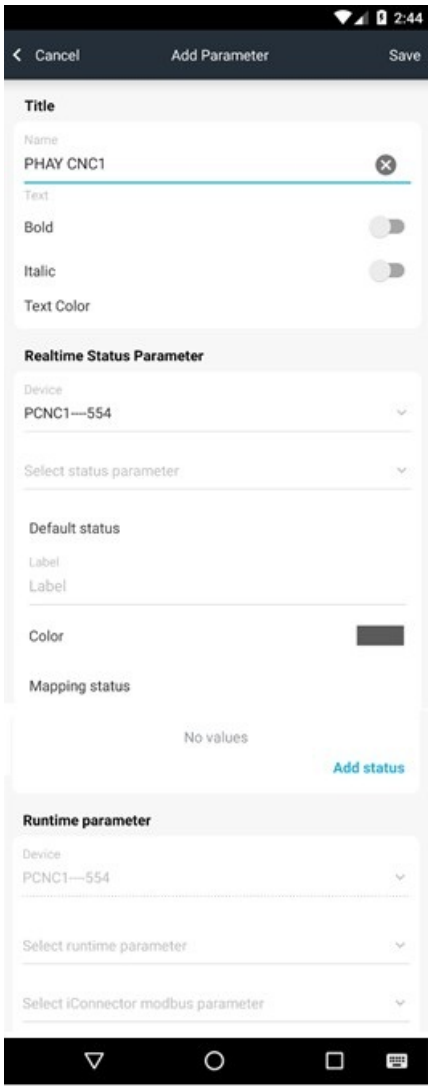


8. Machine Monitoring 1.1

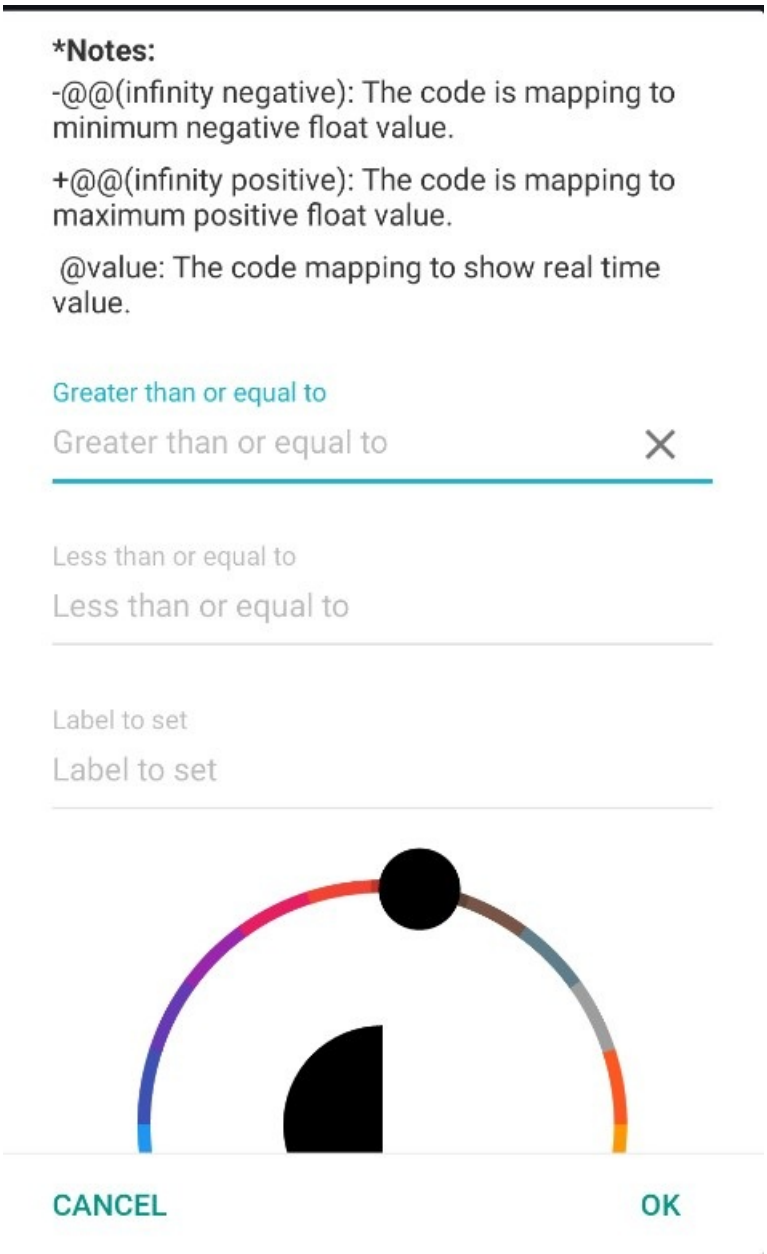
From the list of widget types as above, choose the**Machine monitoring 1.1** interface that appears as follows:



- Title: Set a name and format for the Title of the Widget.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Underline: Drag right to underline.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title (**Small – Normal – Large**).
  - Text alignment: Align for Title (**Left – Center - Right**).
- Layout:
  - Item row: Number of machines displayed per line (**1-5 machines**).
- Poll interval: Time to update the runtime value (**1 minute - 5 minutes - 10 minutes - 15 minutes**).
- Add machine: Select **Add machine**, Then select **Add** in the upper right corner of the screen. The screen appears as follows:



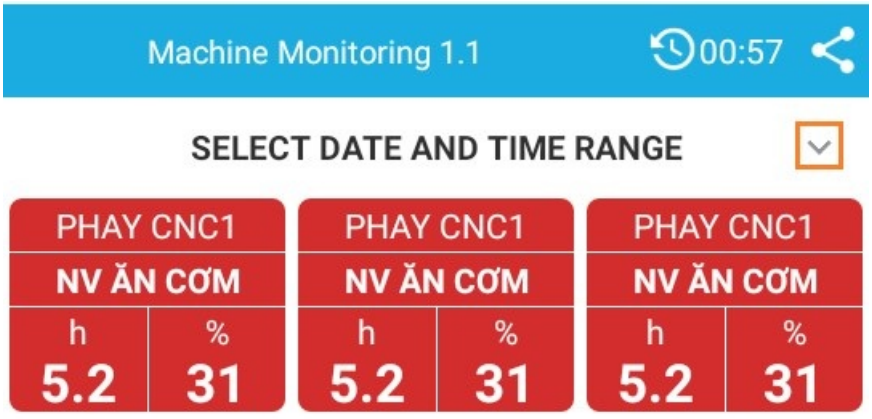
- Title: Name and format the Title of the Machine monitoring
  - Name: Name of Machine monitoring
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Text color: to select the text color to display.
- Realtime status parameter: select parameters to display realtime
  - To select the device name, click on the dropdown list under **Device**.
  - Do the same for the **Parameter**.
- Default status:
  - Set the status name when in the default status on the label.
  - Select the background color when in the default state in Color.
- Mapping status: mapping value to display realtime. To create new values click on **Add staus**, the screen displays like below:



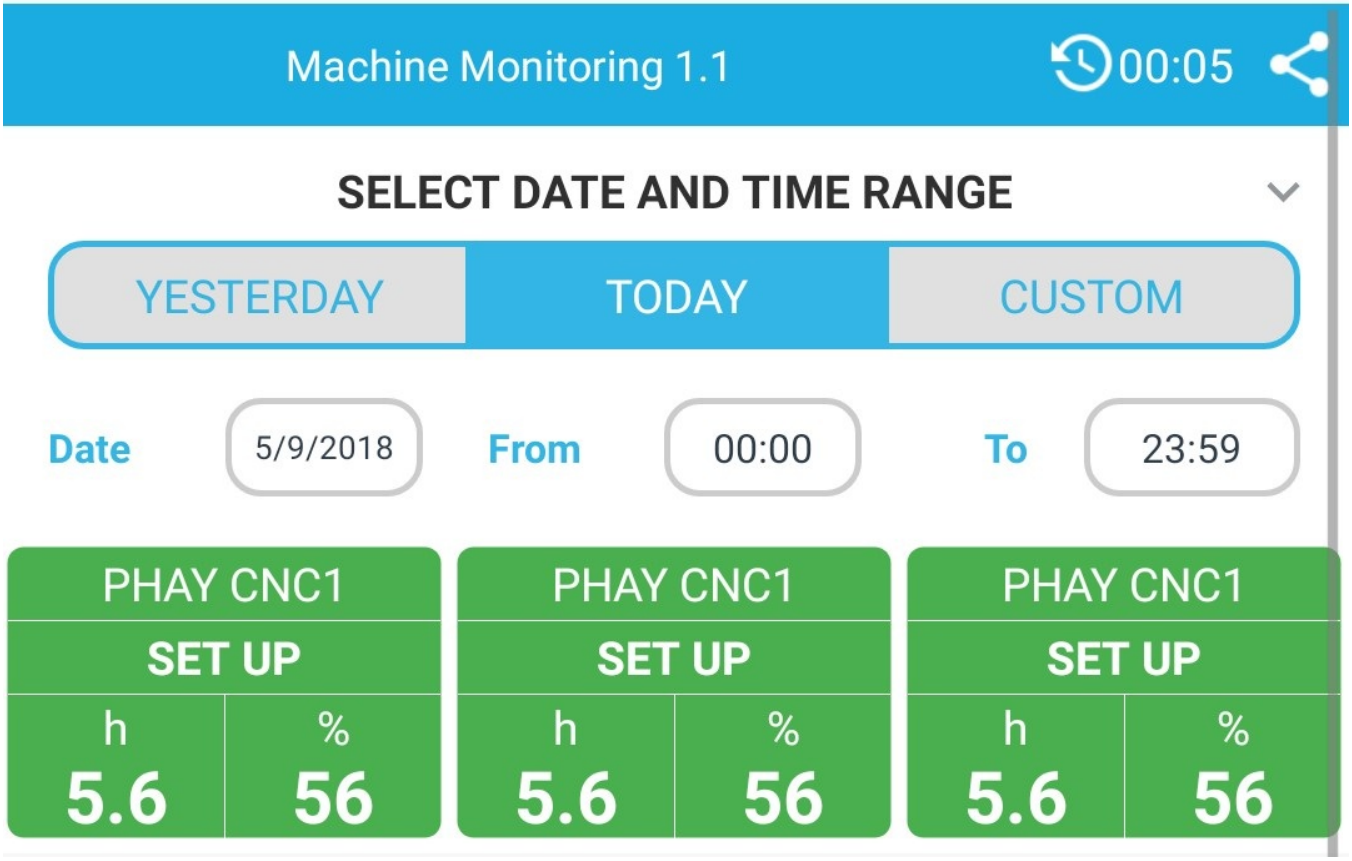
• Greater than or equal to: Enter the lower threshold (>=)
• Less than or equal to: Enter the upper threshold (<=)
• Label to set: Enter a status and background color to display

- Runtime parameter: parameter selection to display the runtime value
  - To select the device name, click on the dropdown list under **Device**.
  - Do the same for the **Parameter**.

After the configuration is complete, the interface displayed on the Dashboard screen is as follows:



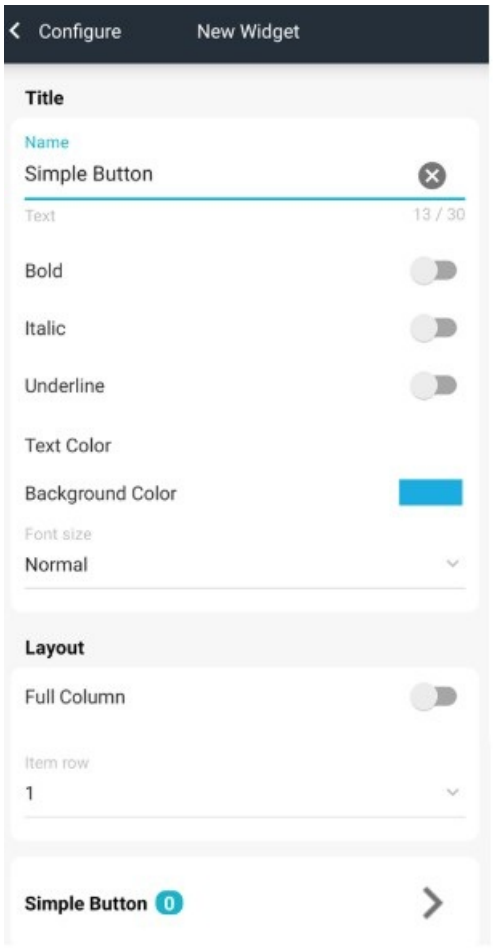
Here, we can directly configure the date and time selection as desired by touching the down arrow as shown above. The output interface looks like the following:



C. Control Group

1. Simple Button

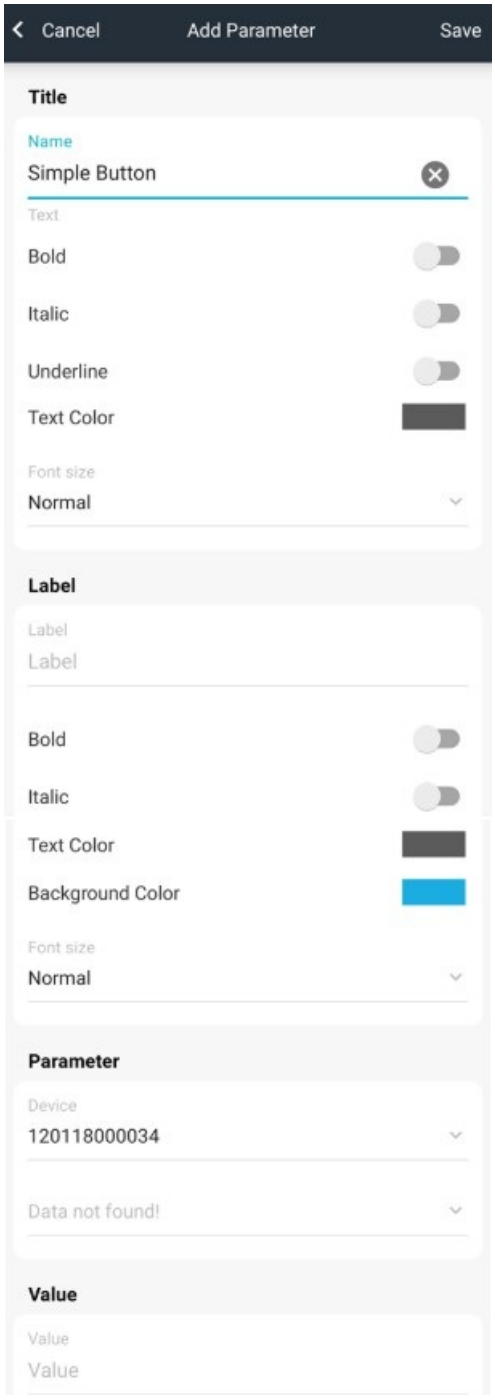
From the list of widget types as above, choose the**Simple button** interface that appears as follows:



- Title: Set a name and format for the Title of the Widget.

- Bold: Drag right to bold.
- Italic: Drag right to italicize.
- Underline: Drag right to underline.
- Background Color: To select a color for the background.
- Font size: Select a size for Title **(Small – Normal – Large**).

- Full Column: Drag to the right, so that the Widget displays the full width of the Dashboard.
- Item row: Select the number of columns in Widget, 1-5 columns
- Simple Button: Click the **Simple button,** then select **Add** in the upper right corner of the screen. The screen appears as follows**:**



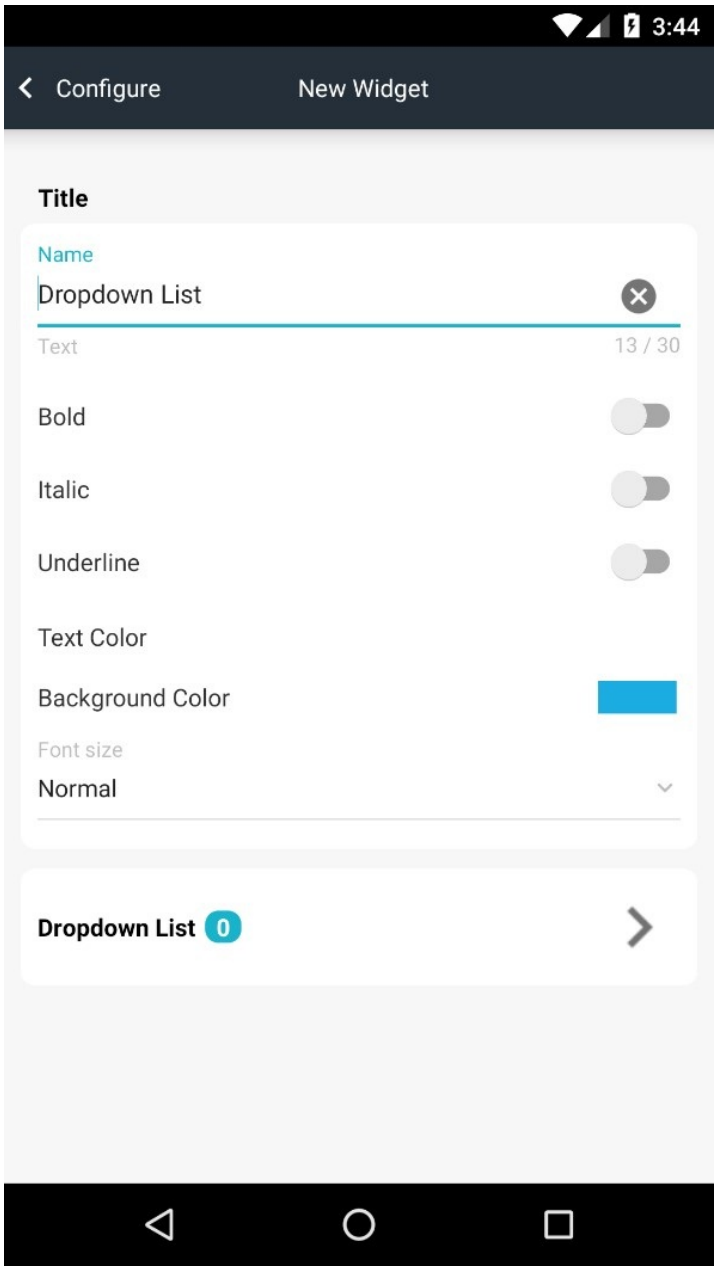
- Title: Name and format the Title of the Simple Button.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Underline: Drag right to underline.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title **(Small – Normal – Large**).
- Lable: Display name and format for the Simple Button
- Parameter: Select parameters to display
  - To select the device name, click on the dropdown list under **Device**
  - Do the same for the **Parameter**

- Value: The value is written down for the parameter when the button is pressed.
  After the configuration is complete, the interface displayed on the Dashboard screen is as follows:



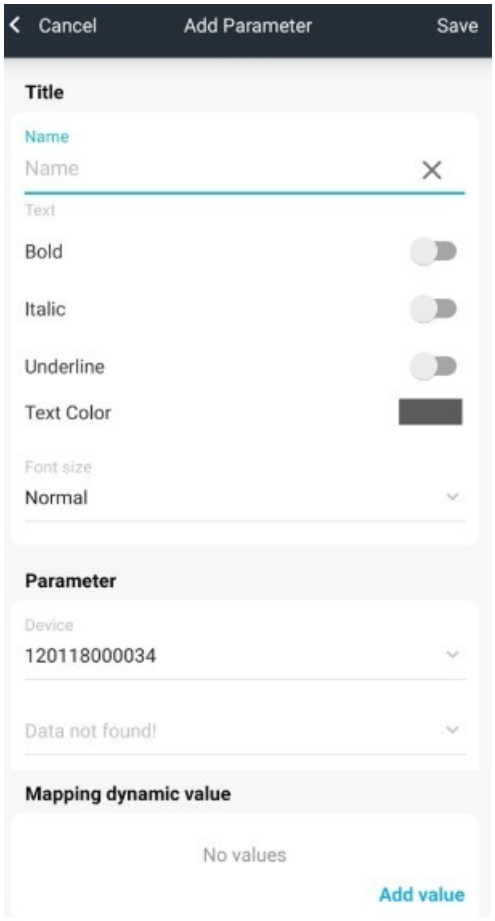
2. Dropdown List

From the list of widget types as above, choose the **Dropdown list** interface that appears as follows:

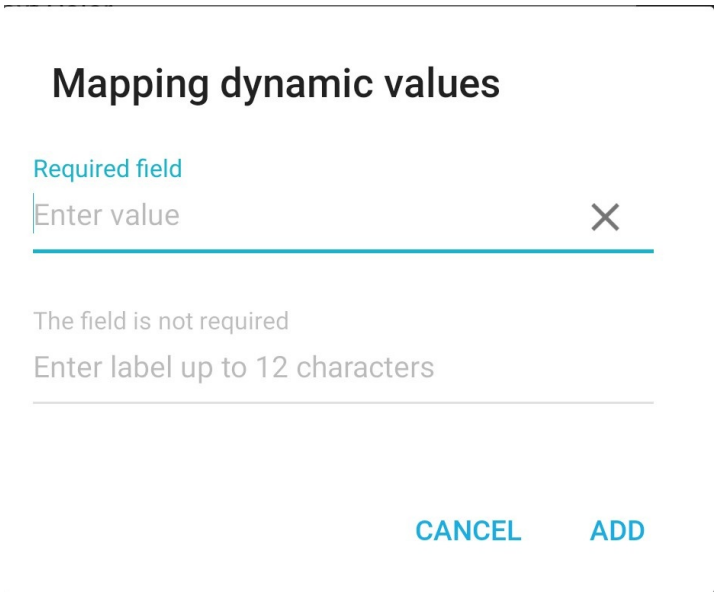


- Title: Set a name and format for the Title of the Widget.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Underline: Drag right to underline.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title (**Small – Normal – Large**).
- Dropdown list: Click the **dropdown list**, then select **Add** in the upper right corner of the screen. The screen

appears as follows:

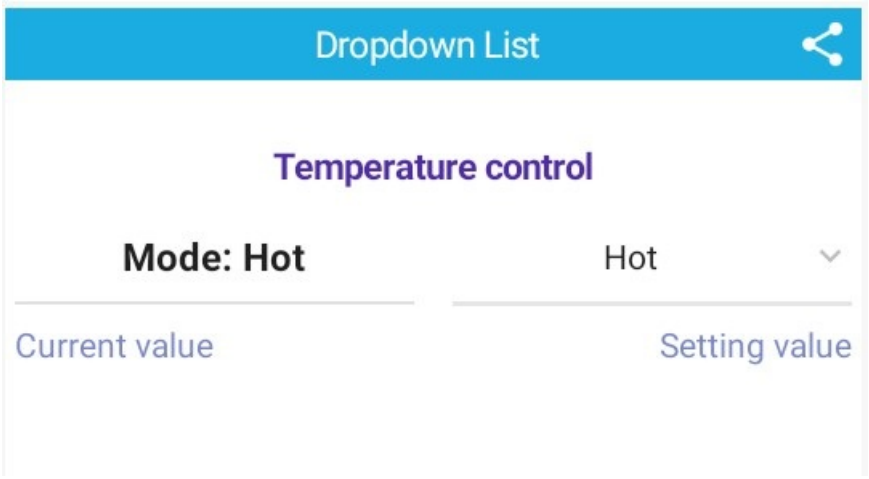


- Title: Name and format the Title of the Dropdown list.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Underline: Drag right to underline.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title (**Small – Normal – Large**).
- Parameter: Select parameters to display
  - To select the device name, click on the dropdown list under **Device**
  - Do the same for the **Parameter**
- Mapping dynamic value: To add value, select **Add value**. The screen displays as follows:



- Enter the value you want to write down the parameter in the Enter value field.
- Enter the label displayed in the dropdown list into the Enter label field.
- Then select **ADD** button to finish the mapping process.

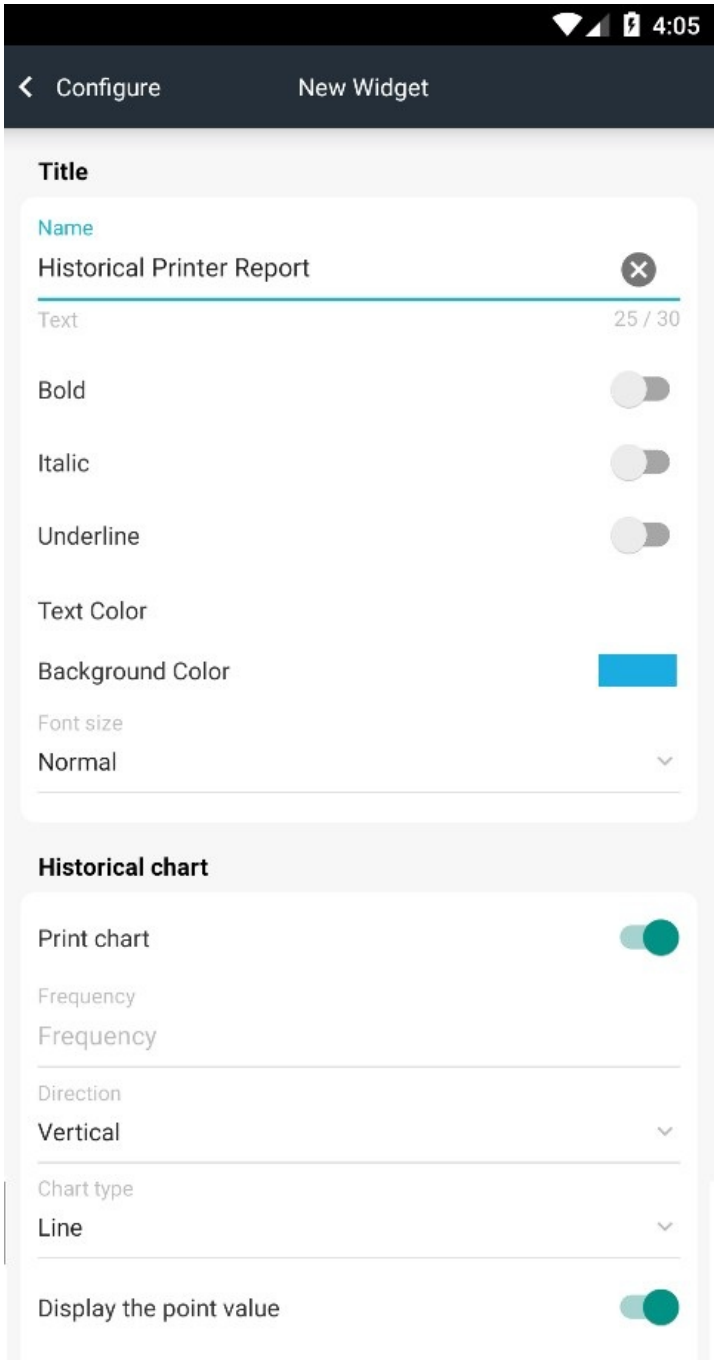
After the configuration is complete, the interface displayed on the Dashboard screen is as follows:

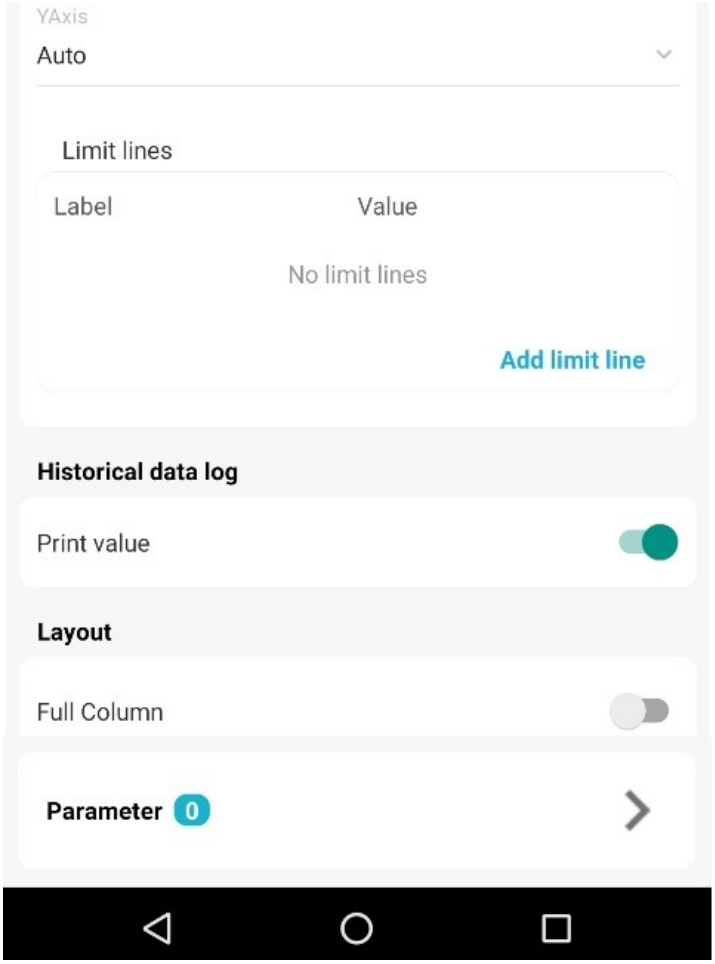


D. Report Group

1. Historical Printer Report

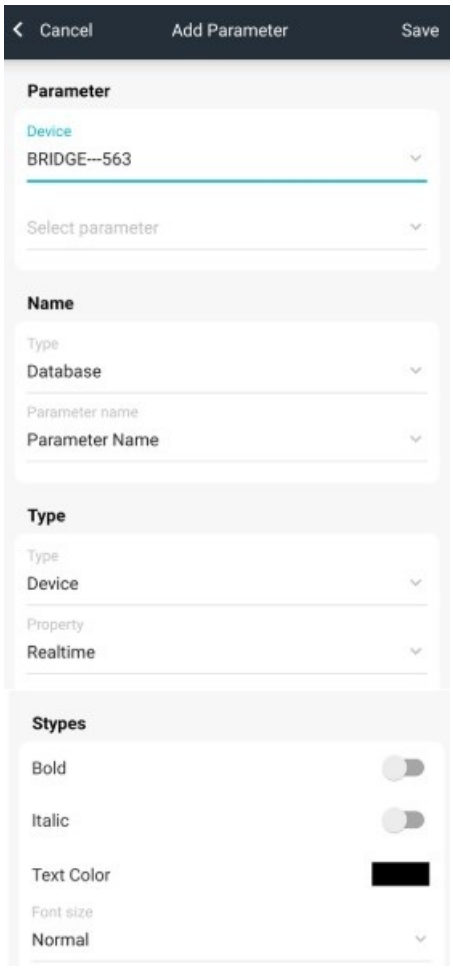
From the list of widget types as above, choose the**Historical Printer Report** interface that appears as follows:





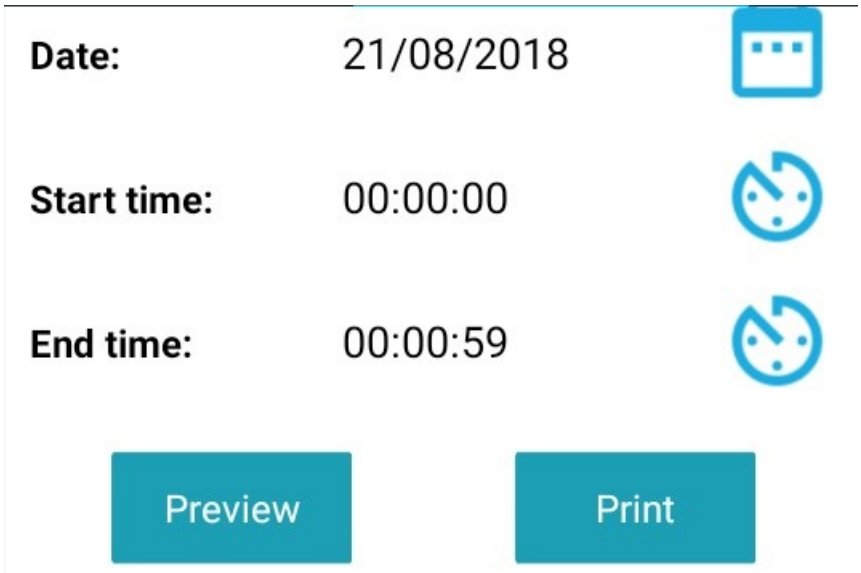
- Title: Set a name and format for the Title of the Widget.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Underline: Drag right to underline.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title (**Small – Normal – Large**).
- Historical Chart: Drag to the right if you want to choose to print the histogram for the parameter (optional)
  - Frequency: Set the frequency to get the parameter's value
  - Direction: Direction of the chart
  - Chart type: (**line, spline, area, spline area**)
  - Display the point value: Drag right to display the value of each point on the chart.
  - YAxis: Select the display style for the y-axis to be automatic (**Auto**) or manually set (**Fix**: enter Min, Max values)
  - Add limit line: Set the chart line limit value if desired
- Historical data log:
  - Print value: Drag right to display the value of each point on the chart.
- Layout:
  - Full Column Drag right, so that Widget displays the full Dashboard column.
- Parameter: Click select **Parameter**, then select **Add** in the upper right corner of the screen.

The interface appears as shown below:



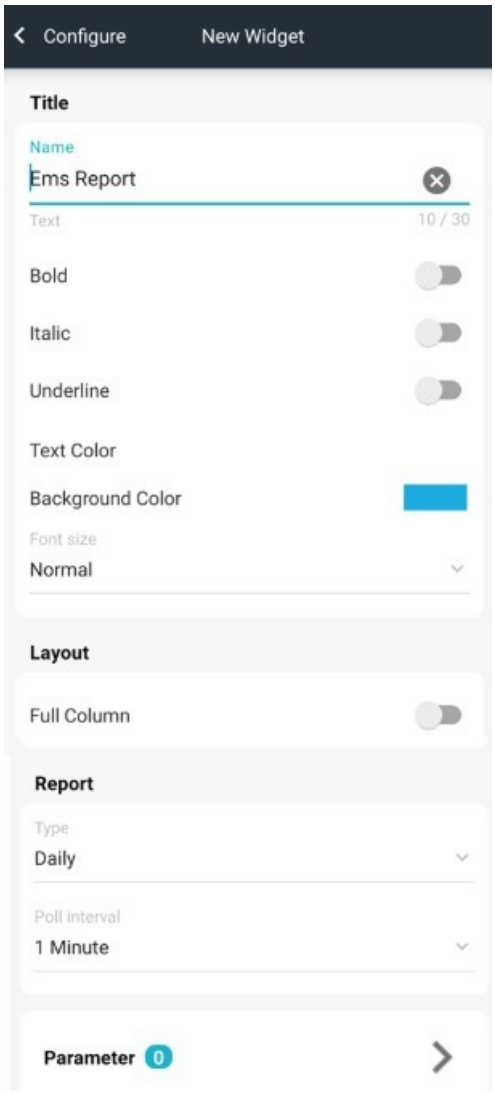
- Parameter: Select parameters to display
  - To select the device name, click on the dropdown list under **Device**
  - Do the same for the **Parameter**
- Name: Select a name to display
  - Select a name according to the database name (Select **Database** ➪ Select **Parameter Name**).
  - For custom naming (Select **Constant** ➪Enter a name for the **Parameter Name**).
- Type: Select the parameter type to display (last log data from Database (**Last value**) / real time value (**realtime value**) from Device.
- Stypes: The parameter format is displayed in the Configuration Parameter List.

After the configuration is complete, the interface displayed on the Dashboard screen is as follows:



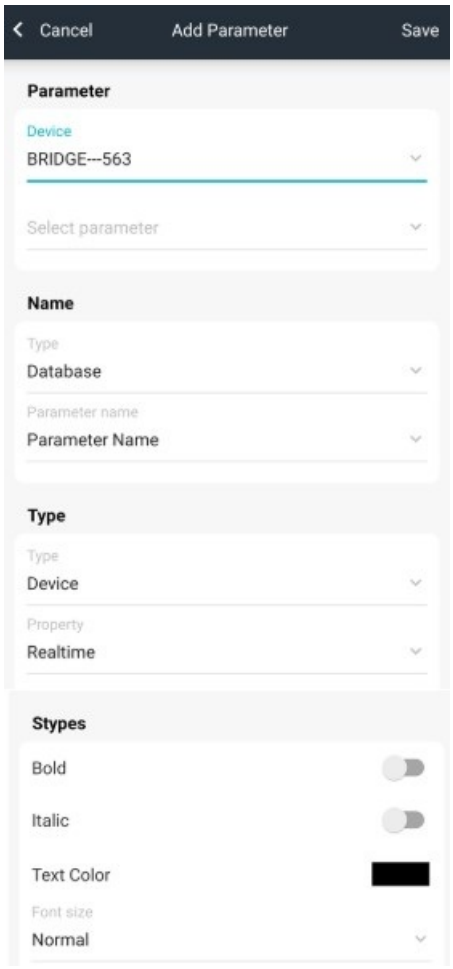
2. EMS Report

From the interface list of widgets as above, select**Ems Report** interface that appears as follows:



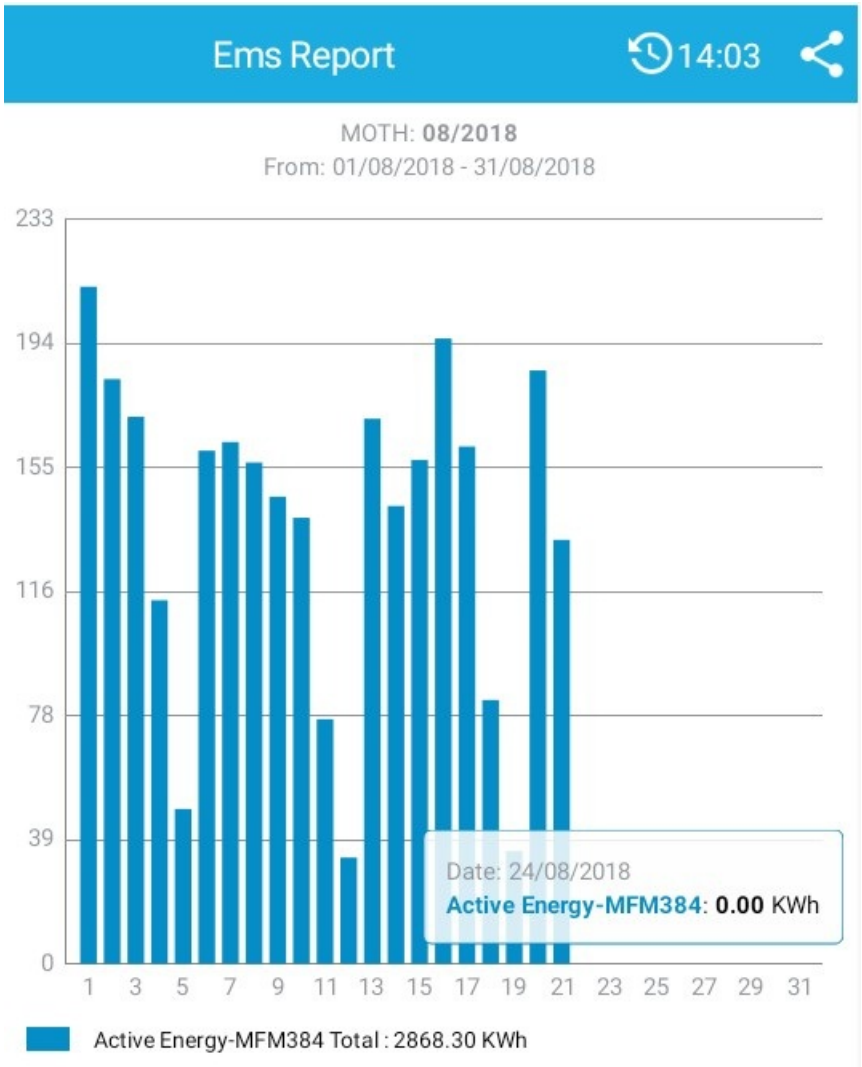
- Title: Set a name and format for the Title of the Widget.
  - Bold: Drag right to bold.
  - Italic: Drag right to italicize.
  - Underline: Drag right to underline.
  - Background Color: To select a color for the background.
  - Font size: Select a size for Title (**Small – Normal – Large**).
- Full Column: Drag to the right, so that the Widget displays the full width of the Dashboard.
  Report:
  - Type: Select the report type Daily, weekly, monthly
  - Poll Interval: choose the time to get data to report (**1,5,10,15 minutes**)
- Parameter: Click on **Parameter**, then select **Add** in the upper right corner of the screen.

The interface appears as follows:



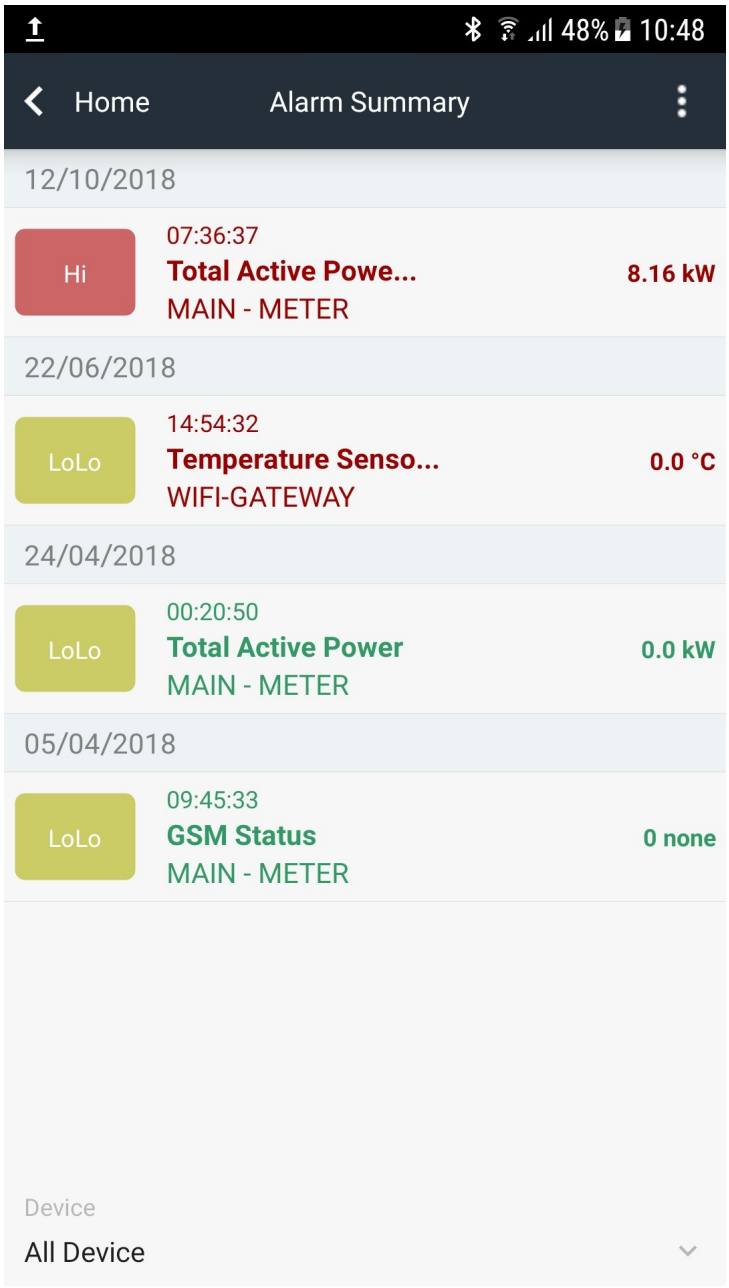
- Parameter: Select parameters to display
  - To select the device name, click on the dropdown list under **Device**
  - Do the same for the **Parameter**
- Name: Select a name to display
  - Select a name according to the database name (Select **Database** ➪ Select **Parameter Name**).
  - For custom naming (Select **Constant** ➪ Enter a name for the **Parameter Name**).
- Type: Select the parameter type to display (last log data from Database (**Last value**) / real time value (**realtime value**) from Device.
- Stypes: The parameter format is displayed in the Configuration Parameter List.

After the configuration is complete, the interface displayed on the Dashboard screen is as follows:

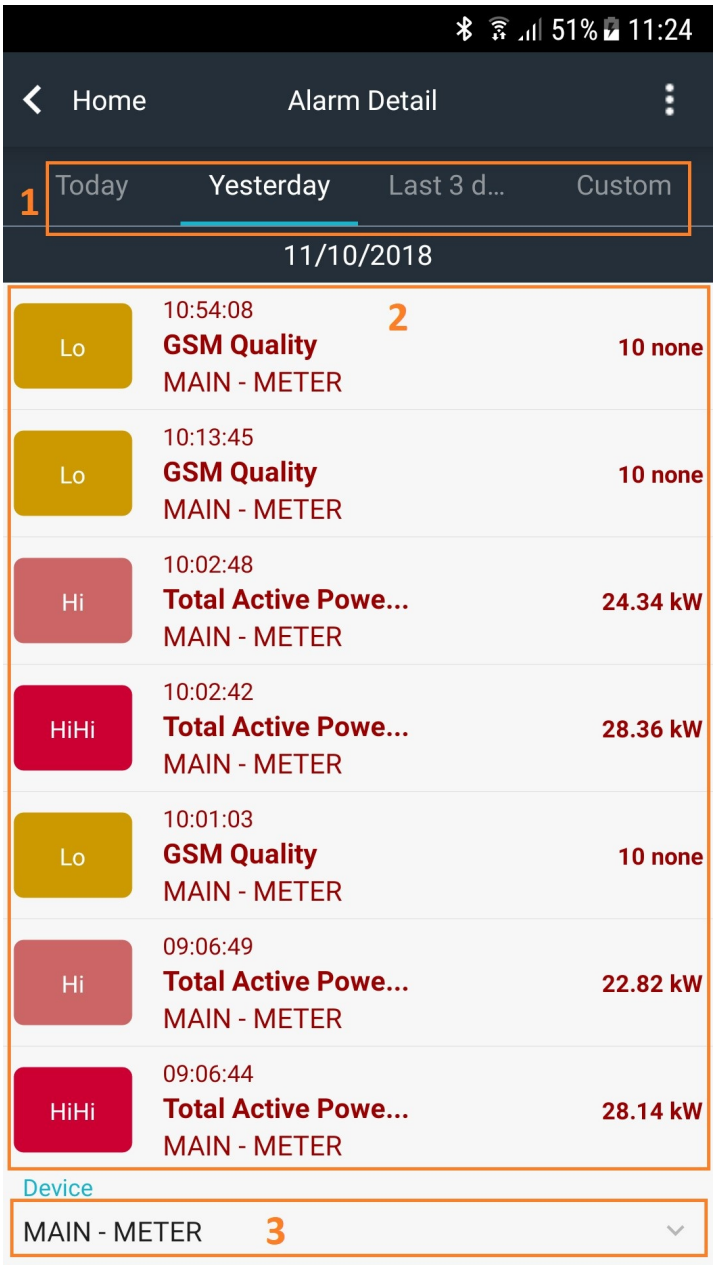


5. Alarm Management

From the Dashboard interface click on the icon top left of the screen ➪ Select icon Alarm Management interface that appears as follows:

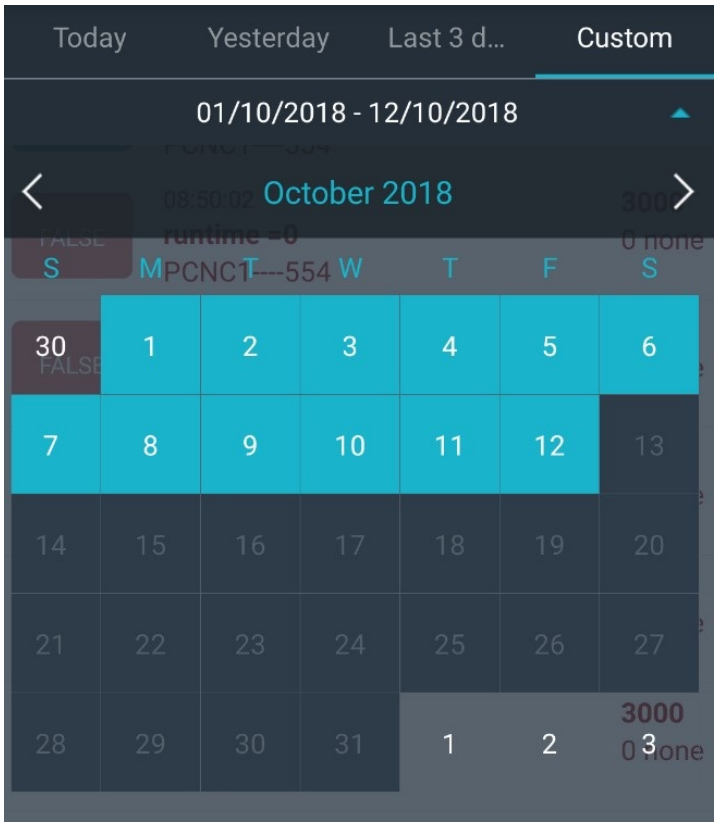


We have 3 options **Alarm Summary, Alarm Detail, Alarm History**. Default is **Alarm Summary** Click icon to change in the upper right of the screen select Alarm Detail or Alarm History. For example select Alarm Detail, the interface appears as follows:



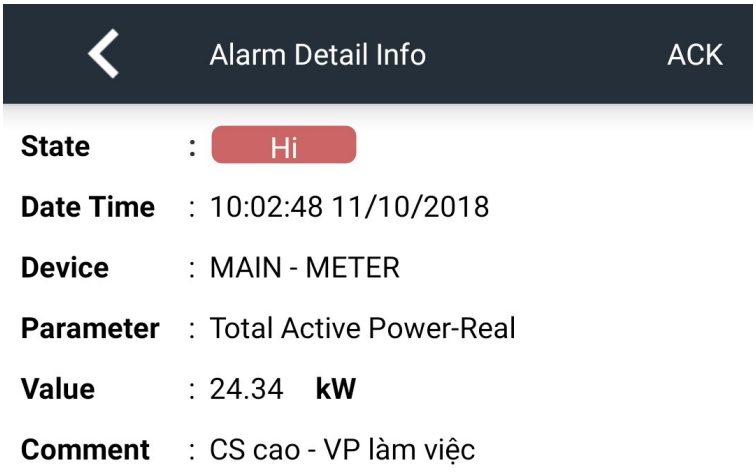
The interface is divided into 3 main areas as follows:

- **1st zone**: Include tabs like: **Today**, **Yesterday**, **Last 3 days** and **Custom**. Here we can select each tab corresponding to each specific time. When you click **Custom** ➪ click select icon interface that appears as follows:

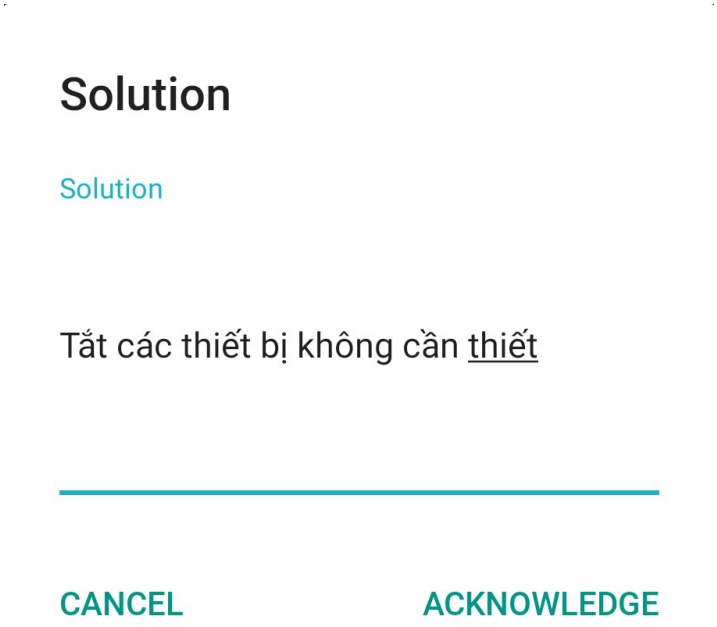


Here, we can choose any date or choose from a range (up to 1 month). Selecting dates by range, we just need to choose start and end dates. The system will help us choose the dates within the range we selected above. For example, as shown above, we just need to choose the start date as 1 and the end date is 12, then the date from 2 to 11 the system will choose for us. Then click on the icon to finish the date selection process.

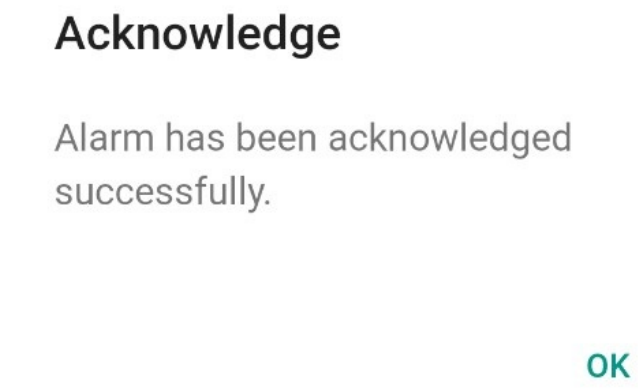
- **2nd zone**: Displays a list of alarm types as well as alarm status **LoLo**: very low; Lo: low; **Hi**: high; **HiHi**: very high) and processing status (red warning text: not processed, blue warning text: in progress). When we click on any warning, the system will output the detailed interface as follows (for example, choose the type of warning with red text - not processed)



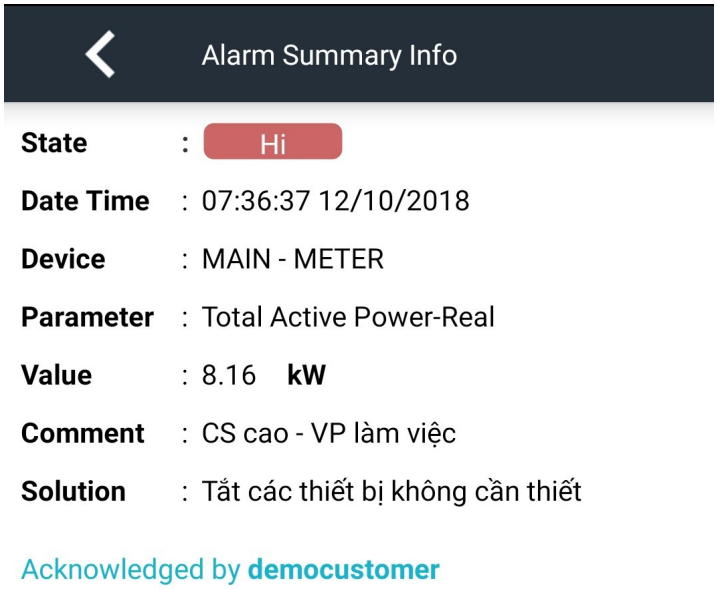
To handle warnings as well as provide handling solutions, we choose the icon ACK in the top right corner of the screen. The interface appears as follows:



After entering the solution, click **ACKNOWLEDGE** and wait for the system to process, if successful, the interface appears as follows.:

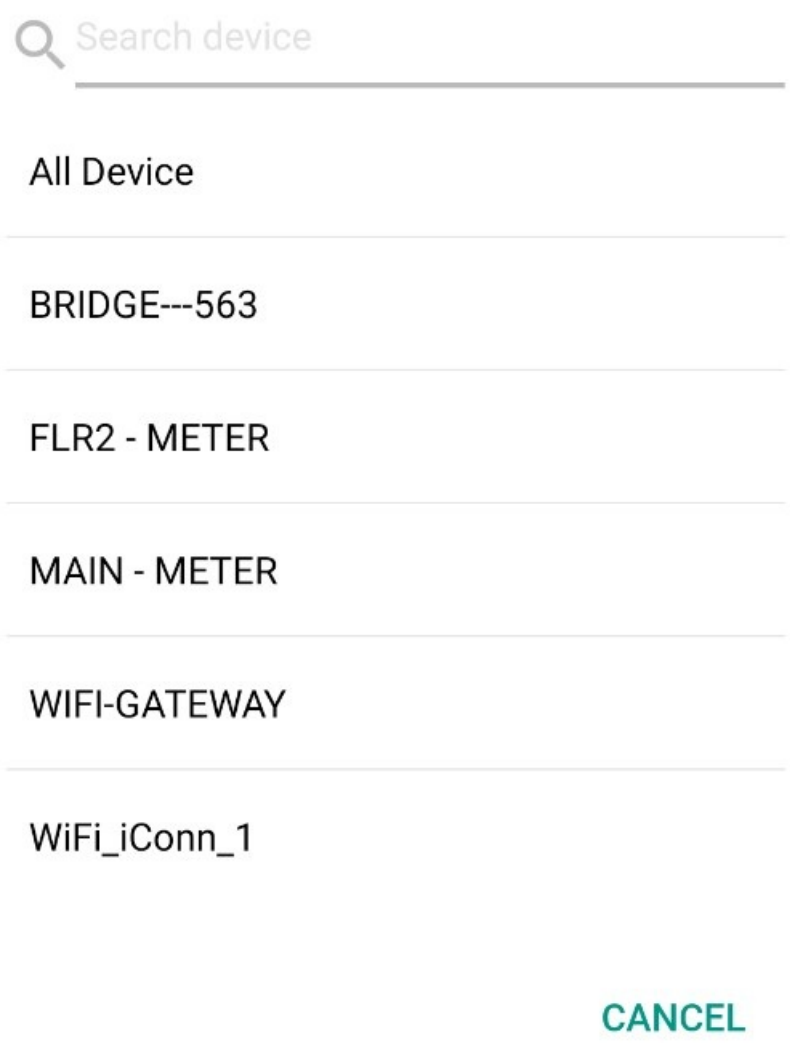


Then click OK, the interface appears as follows:



Now at the warning details screen appears the words "Acknowledged by democustomer" (by democustomer: taken from the login account). Then click on the icon  to return to the main screen.

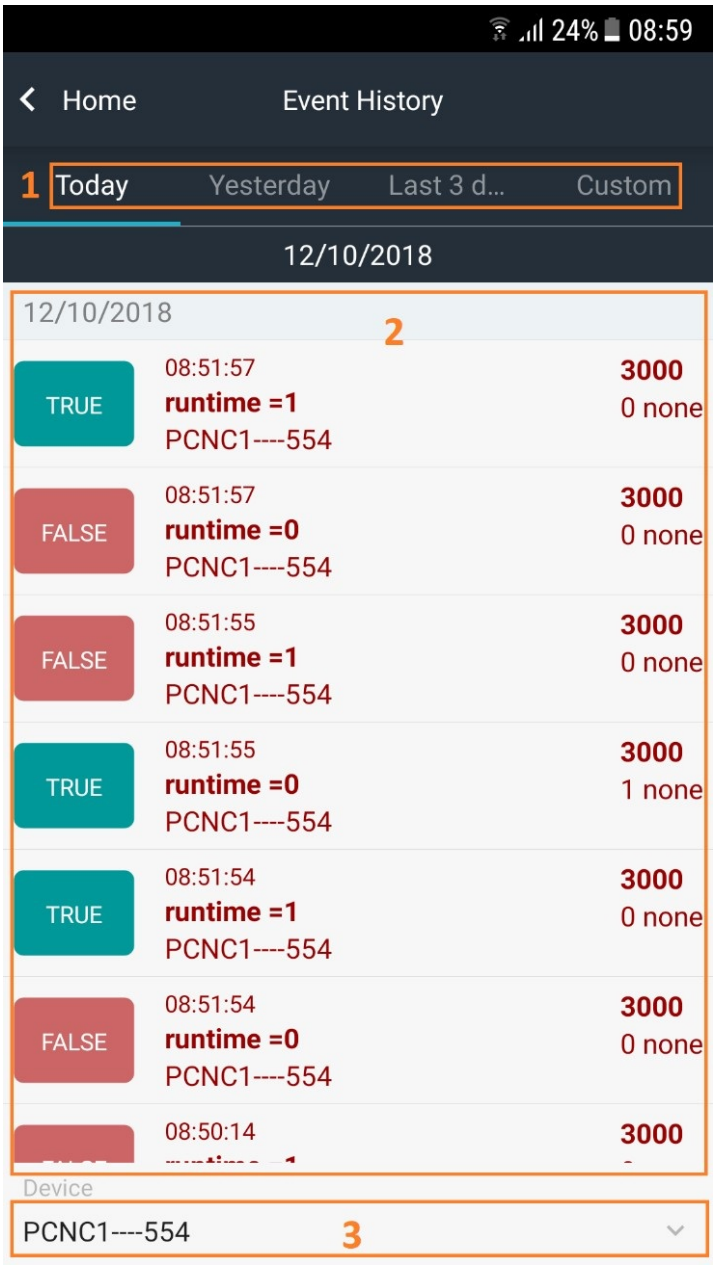
- **3rd zone**: Here we can select each Device specific by clicking the icon interface that appears as follows:



Do the same for the **Alert Summary** and **Alarm History**.

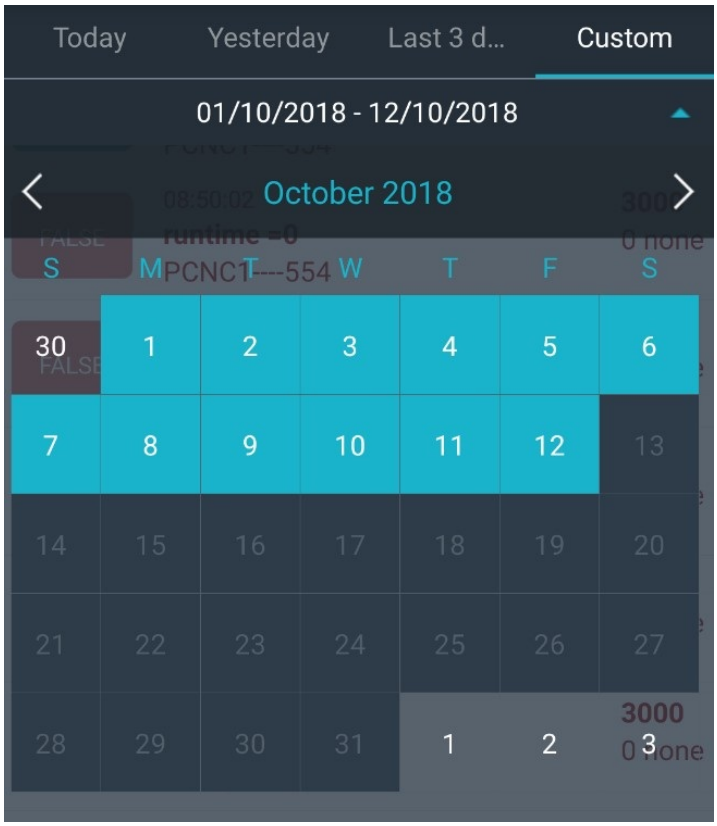
6. Event Management

From the Dashboard interface click on the icon top left of the screen ➪ Select icon Event Management interface that appears as follows:



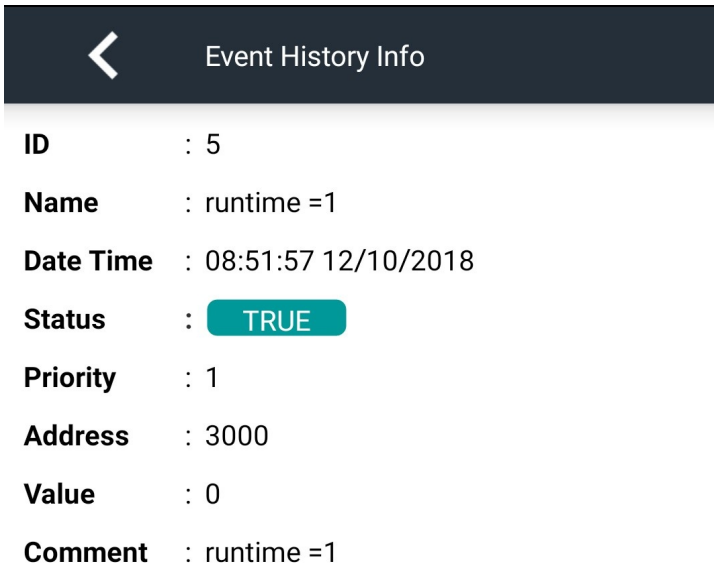
The interface is divided into 3 main areas as follows:

- **1st zone:** Include tabs like: **Today**, **Yesterday**, **Last 3 days** and **Custom**. Here we can select each tab corresponding to each specific time. When clicked **Custom** ➪ click select icon interface that appears as follows:



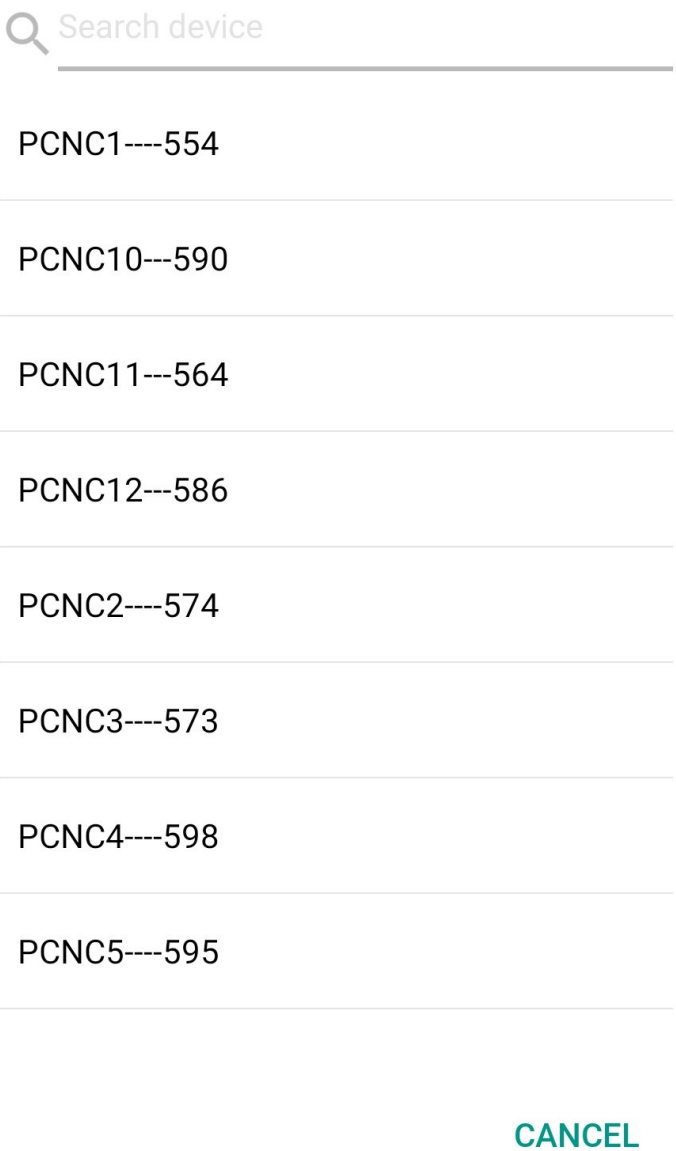
Here, we can choose any date or choose from a range (up to 1 month). Selecting dates by range, we just need to choose start and end dates. The system will help us choose the dates within the range we selected above. For example, as shown above, we just need to choose the start date as 1 and the end date is 12, then the date from 2 to 11 the system will choose for us. Then click on the icon to finish the date selection process.

- **2nd zone:** Displays a list of event types as well as event status (**TRUE** or **FALSE**). When we click on any event, the system will output the event detail interface as follows:



After watching, click on the icon to return to the screen containing the list of event types.

- **3rd zone:** Here we can select each specific Device by clicking the icon interface that appears as follows:



5. Support contacts

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