

DIGITAL ENERGY METER

Why Digital Energy Meter Need?



- Digital meter will provide you with valuable feedback regarding your energy consumption.
- The digital meter data store in computer server and which analyzes the usage of the data and comparing it with historical data.
- You can also see the real-time energy consumption data, which can help you how to make a changes in usage of appliances to reduce energy usage.
- This data will help you drastically how to reduce energy consumption and also help you how save greatly on monthly utility bills.

A More Environmentally-Friendly Option

- Digital energy monitoring systems can also be beneficial by helping to reduce your carbon footprint
- Reduced energy consumption means fewer greenhouse gas emissions from power plants.
- Further reduce carbon emissions by removing the need for a representative from your utility company to physically read your meter
- Switching to a digital energy monitoring system will then help the environment in addition to saving you money.
- **Four ways to save our running electricity bill cost with digital meter**

Data View company introduce four ways to save our running electricity bill cost.

- 1- Electricity save with the monitoring of the Appliances usage.**
- 2- Electricity save with the remotely Controlling of the Appliances.**
- 3- Electricity save with Load Management (“Timing”) of the Appliances.**
- 4- Electricity save with billing budget System.**

1- Electricity saving with the monitoring of the Appliances usage.

- In monitoring system, through online cloud based website we can find that how much electricity is used today in 24 hours.
- Through monitoring, you can find a lot of missed usage of electric Appliance concerning the time.
- With the help of reports at menu section you can find the different report how much electricity used in previous different date and time

Monitoring of the Appliances usage

3 PHASE SMART DIGITAL METER



DATA VIEW ENERGY

18 November 2021 - 11:41:26 PM

Monthly Units (KWh)

243.3

Current Meter Units

80468

Today Units

10.6 KWh

Phase 1 Units

0.0 KWh

Phase 2 Units

10.6 KWh

Phase 3 Units

0.0 KWh

AC VOLTAGE

227

CURRENT PHASE 1

0.0 A

CURRENT PHASE 2

1.5 A

CURRENT PHASE 3

0.0 A

Total Load

0.3 KW

Phase 1 Load

0.0 KW

Phase 2 Load

0.3 KW

Phase 3 Load

0.0 KW



DASHBOARD



GENERATE REPORT



GENERATE REPORT KWH



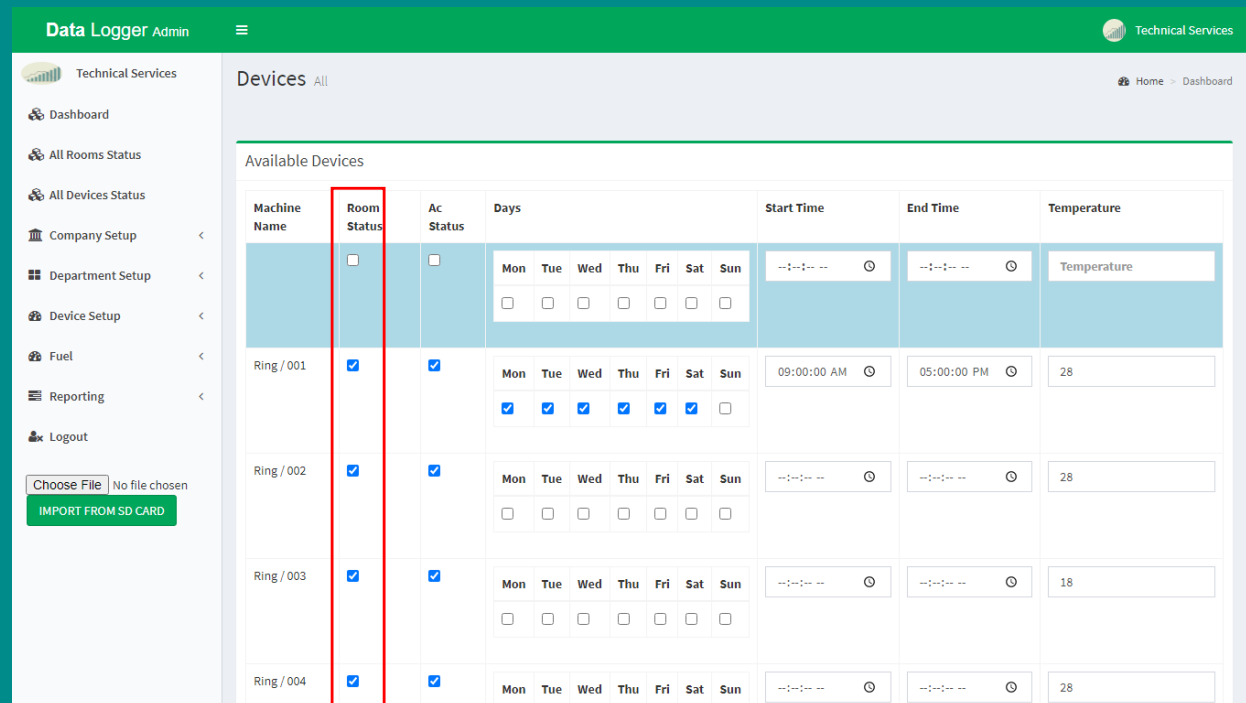
ELECTRIC QUOTA



SET METER READING

2- Electricity save with the remotely Controlling of the Appliances.

- After monitoring in the 2nd step you can control “ON” and “OFF” your Appliances through the cloud-based website. This is also a good way to control and adjust the electric bill cost.



The screenshot displays the 'Data Logger Admin' interface for 'Technical Services'. The main content area is titled 'Devices All' and shows a table of 'Available Devices'. The table has the following columns: Machine Name, Room Status, Ac Status, Days (Mon-Sun), Start Time, End Time, and Temperature. A red box highlights the 'Room Status' column, which contains checkboxes for each device. The 'Ac Status' column also contains checkboxes. The 'Days' column shows a grid of checkboxes for each day of the week. The 'Start Time' and 'End Time' columns show time ranges with circular refresh icons. The 'Temperature' column shows the current temperature for each device.

Machine Name	Room Status	Ac Status	Days	Start Time	End Time	Temperature
	<input type="checkbox"/>	<input type="checkbox"/>	Mon Tue Wed Thu Fri Sat Sun <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	--:--:--	--:--:--	Temperature
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Ring / 002	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mon Tue Wed Thu Fri Sat Sun <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	--:--:--	--:--:--	28
Ring / 003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mon Tue Wed Thu Fri Sat Sun <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	--:--:--	--:--:--	18
Ring / 004	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mon Tue Wed Thu Fri Sat Sun <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	--:--:--	--:--:--	28

3- Electricity save with Load Management (“Timing”) of the Appliances.

- Load management software is very useful for the control of miss use of electricity in different rooms of homes, offices, hotels, banks, schools, and Universities
- First, you make a schedule in the Centralized server that which rooms are open and their Acs in running week between two timing E.g. 9 AM to 5 PM and also centralized adjust the Air Conditions temperatures of the room also.
- No one can open room AC and lights without timing schedule as you adjust for this room in server.
- The load management system, you can easily save 30% to 40% minimum electricity concerning timing and date schedule.

Load Management software.



Technical Services

Dashboard

All Rooms Status

All Devices Status

Company Setup

Department Setup

Device Setup

Fuel

Reporting

Logout

Choose File No file chosen

IMPORT FROM SD CARD

Devices All

Home > Dashboard

Available Devices

Machine Name	Room Status	Ac Status	Days	Start Time	End Time	Temperature														
	<input type="checkbox"/>	<input type="checkbox"/>	<table border="1"><tr><th>Mon</th><th>Tue</th><th>Wed</th><th>Thu</th><th>Fri</th><th>Sat</th><th>Sun</th></tr><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	Mon	Tue	Wed	Thu	Fri	Sat	Sun	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	--:--:--	--:--:--	Temperature
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Ring / 001	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<table border="1"><tr><th>Mon</th><th>Tue</th><th>Wed</th><th>Thu</th><th>Fri</th><th>Sat</th><th>Sun</th></tr><tr><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	Mon	Tue	Wed	Thu	Fri	Sat	Sun	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	09:00:00 AM	05:00:00 PM	28
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Mon	Tue	Wed	Thu	Fri	Sat	Sun														
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>														

4- Electricity save with billing budget System.

- we can adjust or control our monthly billing costs.
- E.g. If I want to pay the electric bill 15000/= per month or to control 1000 units' usage per month.
- The system automatically divide the 1000 units on per day and further software automatically divided 24 hours units into 4 quarters for further electricity usage control
- Budget monitoring Software which monitor the usage of every 6 hours if usage increase as you adjust or mention in software page. The software system automatically sends you the Alerts in your email address.

Electricity budget Software

ELECTRIC QUOTA

DATA VIEW ENERGY



DASHBOARD



GENERATE REPORT



GENERATE REPORT KWH



ELECTRIC QUOTA



SET METER READING

Quarter

1

Consumed Units

2.1

Quarter

2

Consumed Units

2.8

Quarter

3

Consumed Units

3.3

Quarter 4

4

Consumed Units

2.4

Energy Monitoring System use in different Areas

- Identify the excessive energy usage of different areas in the industry.
- Monitor the energy consumption trends like current, voltage, power factors, etc.
- Generate the power consumption report on hourly, daily, weekly and monthly format.
- Detect instances when consumption is unexpectedly higher or lower than as usual.
- Planning for future energy use and cost saving.
- Diagnose specific area of unwanted energy usage.
- Efficiently maintain the power factor.

Advantages of Energy Monitoring System

- **With this system, live monitoring of energy usage from SCADA screen in different areas of the industry is possible. Also, there is a real-time and historical trend facility to analyze the consumption of energy.**
- **It is possible with this system to improve the energy usage by analyzing the changes in the energy consumption. Also, it provides the details of unwanted energy usage by comparing them with standard requirement of energy consumption.**

Dashboard Software Layouts



DATA VIEW ENERGY LOGIN

✉ Enter email

🔒 Password

LOGIN

[Register Now](#)



DATA VIEW ENERGY

18 November 2021 - 11:41:26 PM

- DASHBOARD
- GENERATE REPORT
- GENERATE REPORT KWH
- ELECTRIC QUOTA
- SET METER READING

Monthly Units (KWh)

243.3

Current Meter Units

80468

Today Units

10.6 KWh

Phase 1 Units

0.0 KWh

Phase 2 Units

10.6 KWh

Phase 3 Units

0.0 KWh

AC VOLTAGE

227

CURRENT PHASE 1

0.0 A

CURRENT PHASE 2

1.5 A

CURRENT PHASE 3

0.0 A

Total Load

0.3 KW

Phase 1 Load

0.0 KW

Phase 2 Load






0.3 KW

Phase 3 Load

0.0 KW

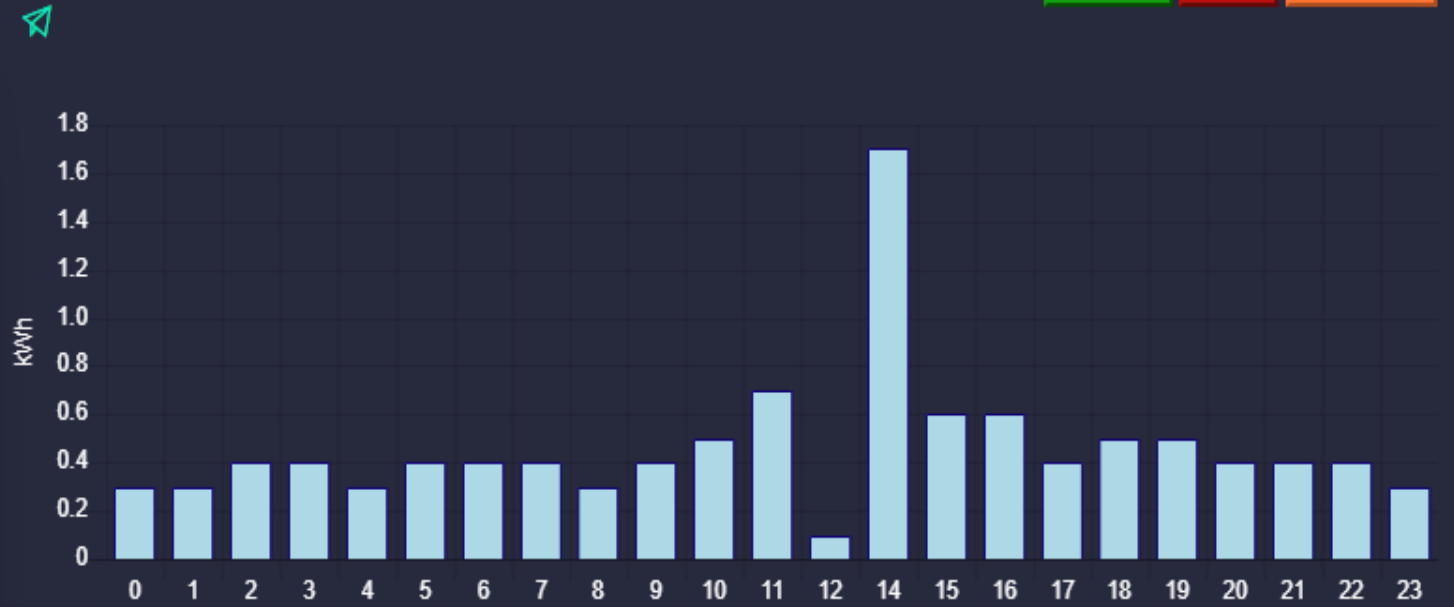
3 PHASE SMART DIGITAL METER

DATA VIEW ENERGY

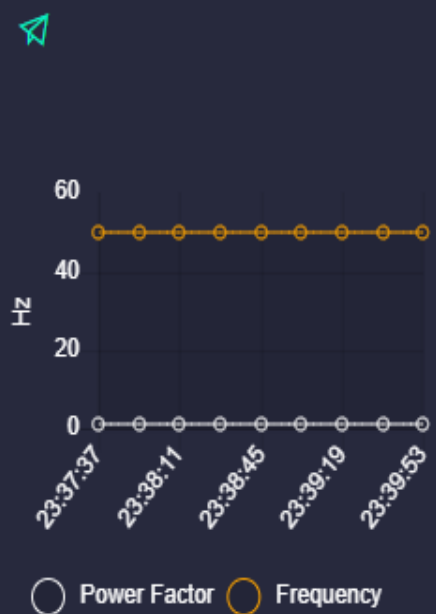
-  DASHBOARD
-  GENERATE REPORT
-  GENERATE REPORT KWH
-  ELECTRIC QUOTA
-  SET METER READING

KWh Hourly Base

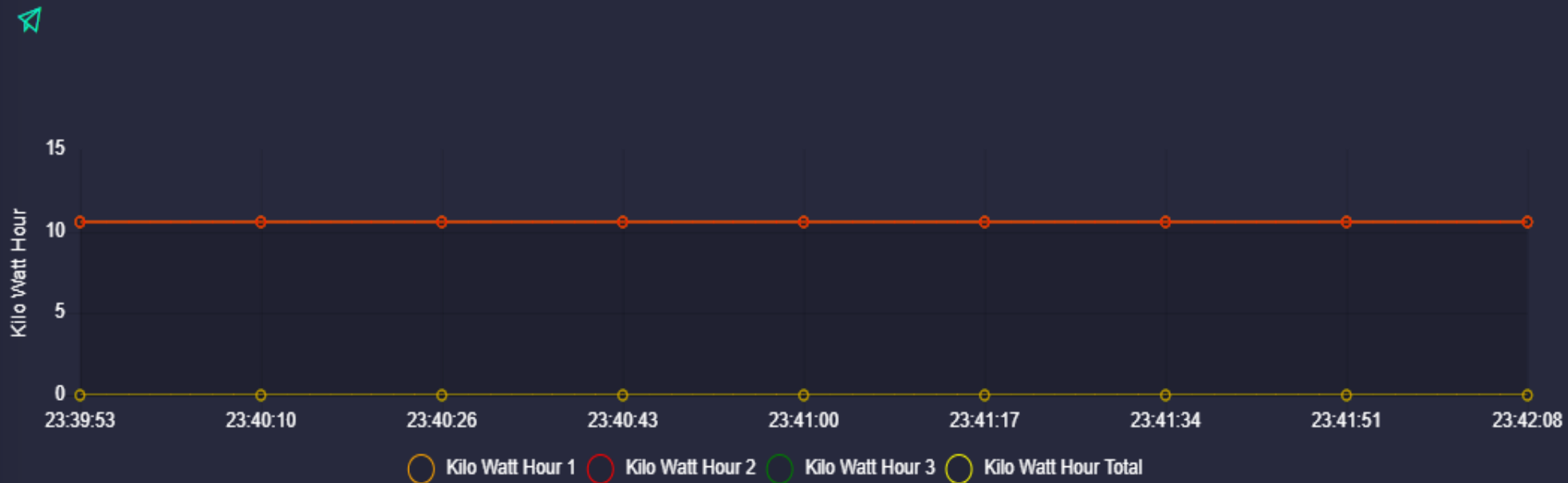
HOURLY DAILY MONTHLY



FREQUENCY-POWER FACTOR

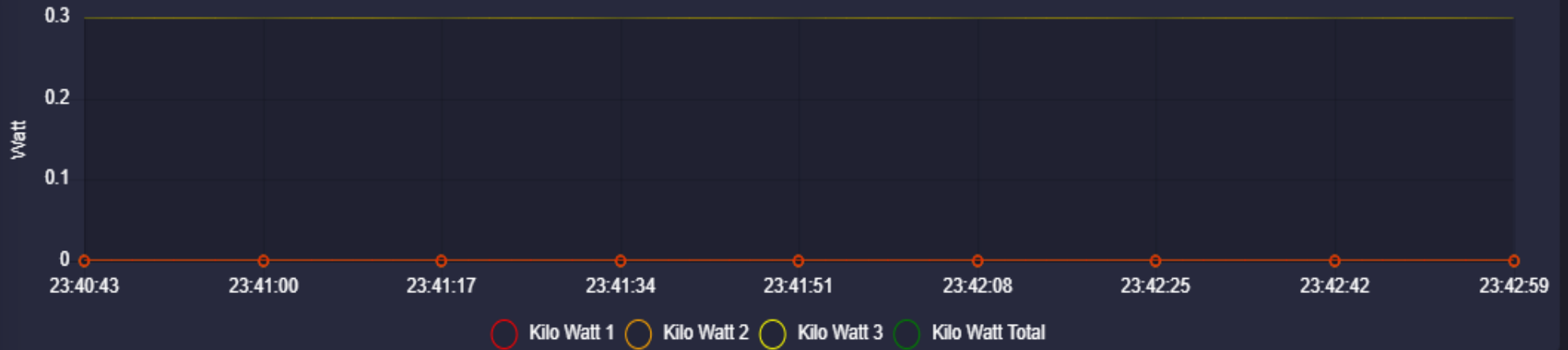


Kilo Watt Hour (KWh) Live



3 PHASE SMART DIGITAL METER

Kilo Watt(W) Live



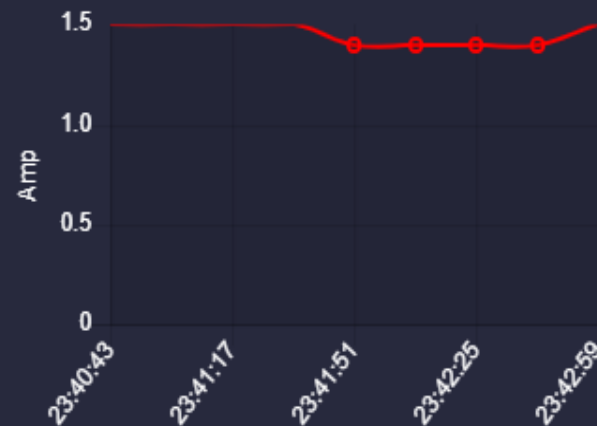
DATA VIEW ENERGY

- DASHBOARD
- GENERATE REPORT
- GENERATE REPORT KWH
- ELECTRIC QUOTA
- SET METER READING

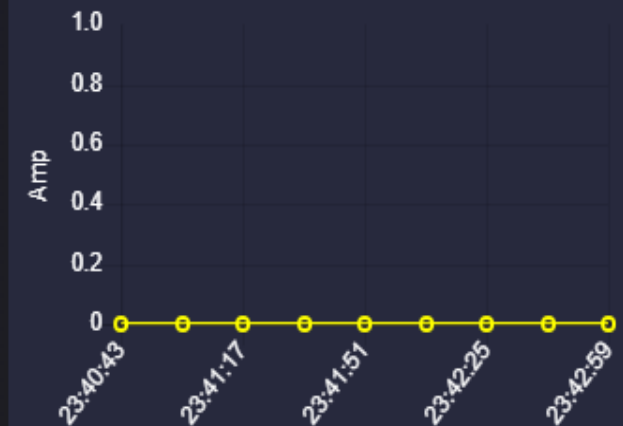
Current 1 (Amp) Live



Current 2 (Amp) Live



Current 3 (Amp) Live





DATA VIEW ENERGY



DASHBOARD



GENERATE REPORT



GENERATE REPORT KWH



ELECTRIC QUOTA



SET METER READING

GENERATE REPORT BY TIME

Select
Options:

End Date:



Time:



StartDate

11/18/2021

End Date

11/18/2021

Start Time

11:44 PM

End Time

11:44 PM

Select
Parameters

Nothing selected

GENERATE REPORT



DATA VIEW ENERGY



DASHBOARD



GENERATE REPORT



GENERATE REPORT KWH



ELECTRIC QUOTA



SET METER READING

GENERATE REPORT KWH

Select
Options:

End Date



Time



StartDate

11/18/2021



End Date

11/18/2021

Start Time

11:45 PM

End Time

11:45 PM

GENERATE REPORT



Log out

DATA VIEW ENERGY



DASHBOARD



GENERATE REPORT



GENERATE REPORT KWH



ELECTRIC QUOTA



• SET METER READING

METER READING

Previous
Meter
Reading:

79579

UPADTE

Thank You!

