Smart
Cloud
Platform

To bring insights & intelligence
for your enterprise data!

Energy Studio Lounge

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Energy Studio Lounge

ESL is an Energy, Process, & Power Re-analyzing software intended to help the users to monitor and analyze the process, power quality and energy consumption in any organization.

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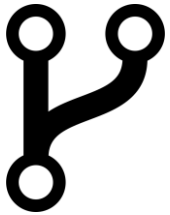
ESL Modules

Communication Status

Trends

Dashboards & widgets

Alarms



Breaker Status

Reports

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Communication Status

Data Transmission

Displays the communication status of all the connected gateways and metering sensors.

Device availability

Displays if the connected devices are active, non-active or disabled.

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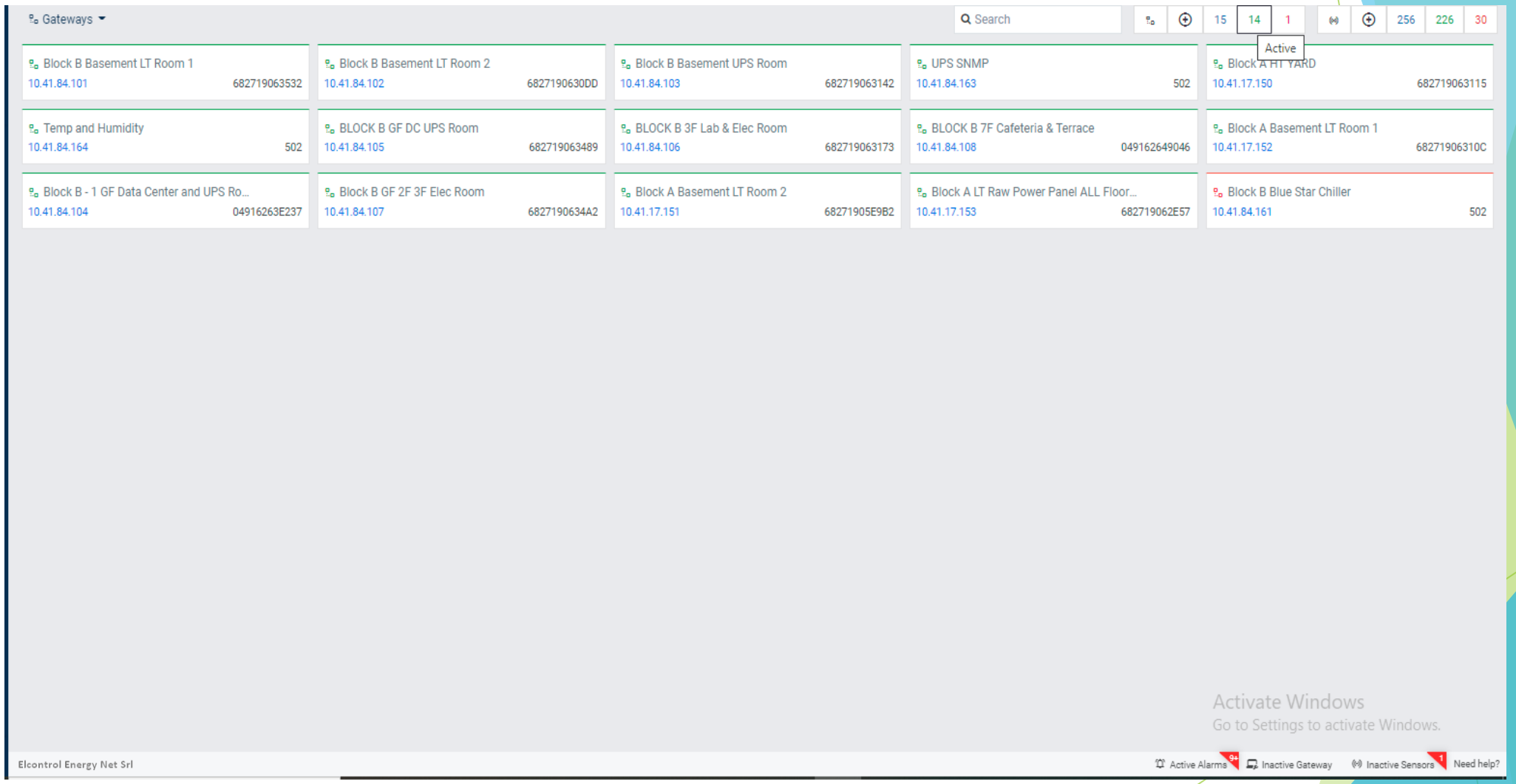
Gateway Status



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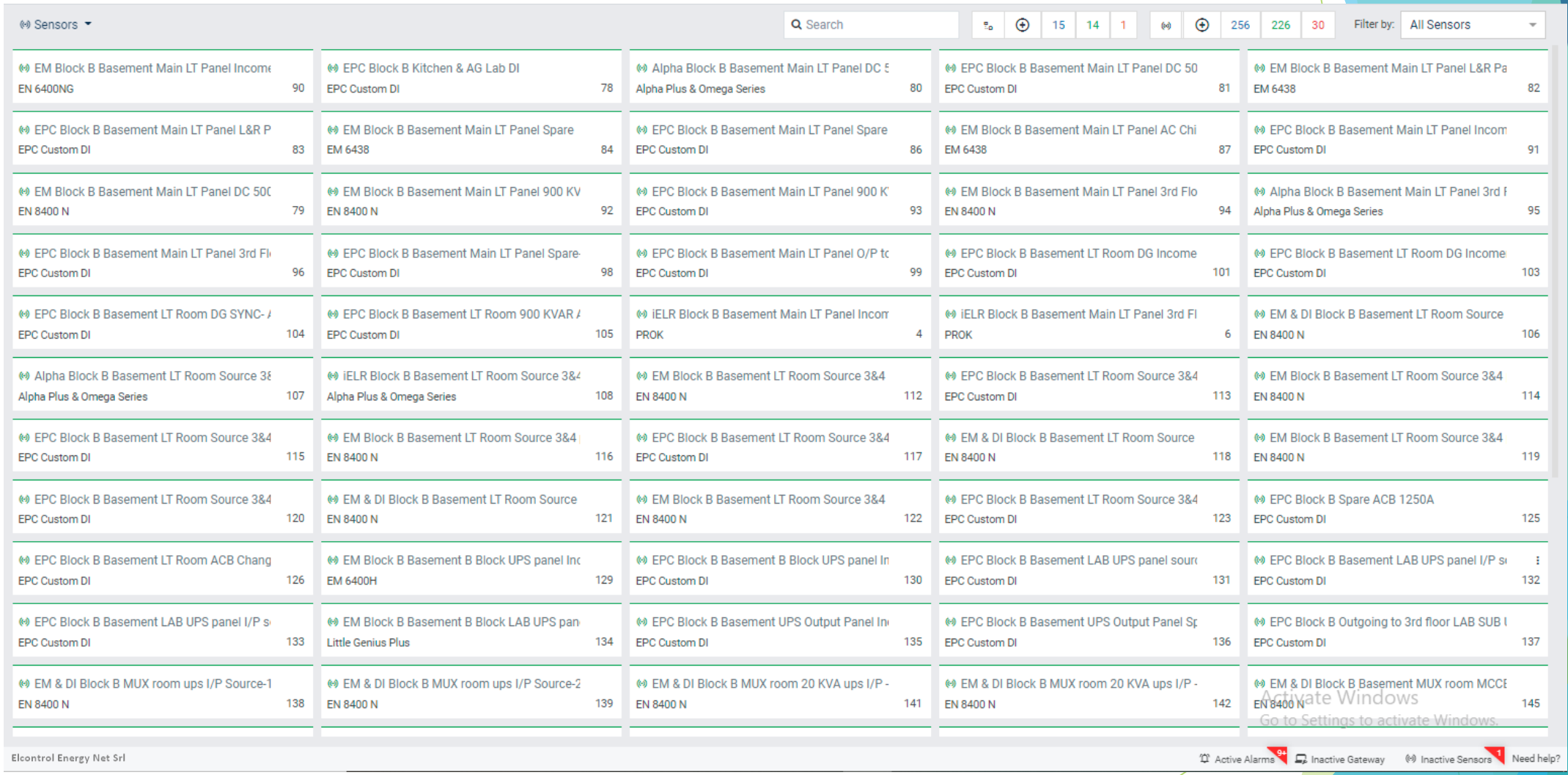
Sensor Status



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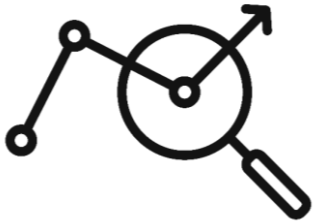
Trends



Easy visualization

Data are shown in visual patterns that are very easy to understand and take a corrective action.

Overshoots at a glance

Quick selection and viewing of the parameters that has been overshot from the defined minimum and maximum values.

Benchmarking & Control

Easy identify the non-linear loads, set threshold limits and define benchmarks.

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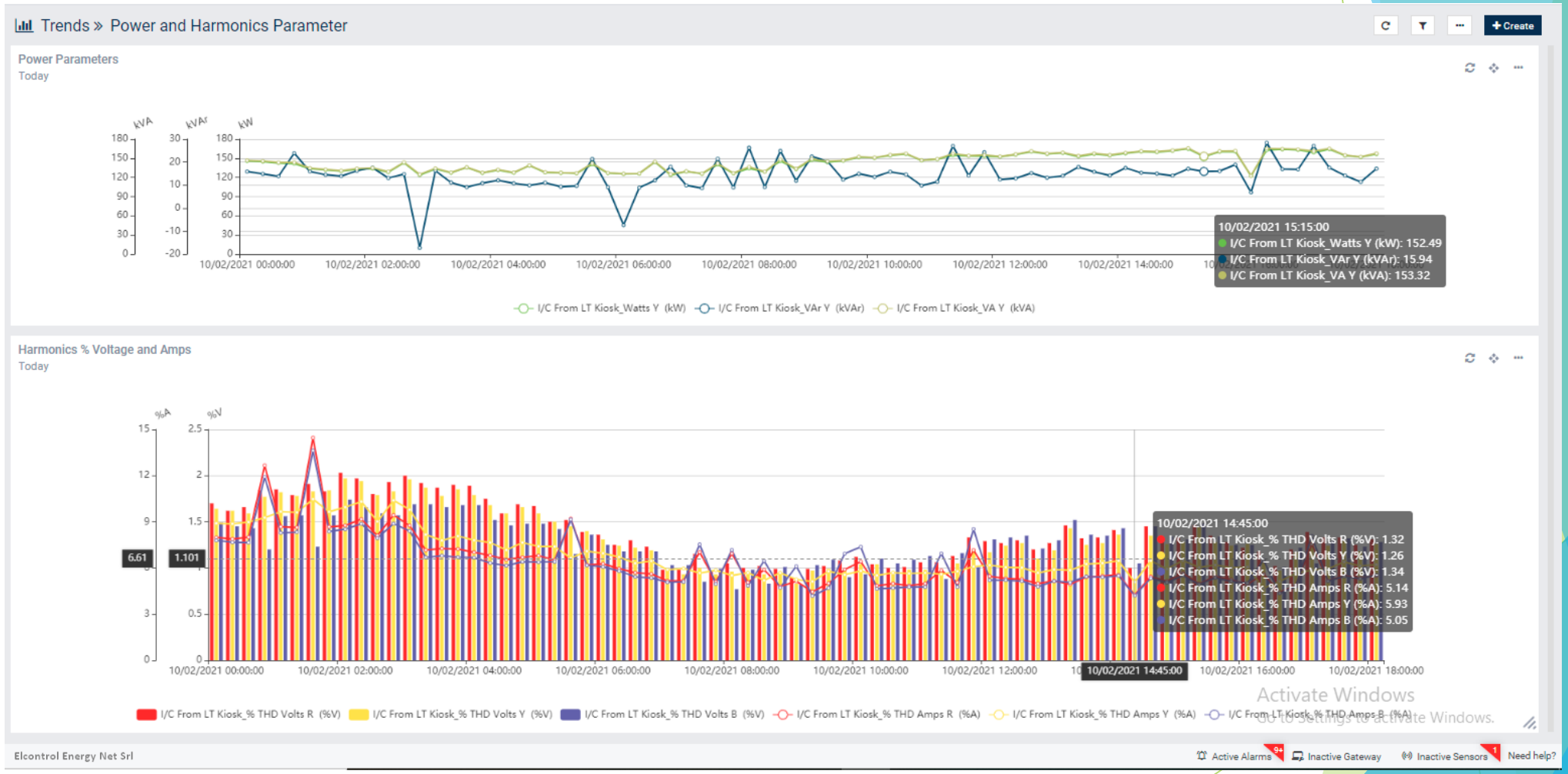
Trend Widget



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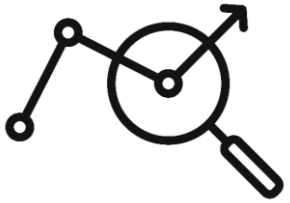
Dashboards & Widgets

Real-time insights

View the live feed from the sensors or the previously logged data as per the user selection.

Benchmarking & Control

Easy identify the non-linear loads, set threshold limits and define benchmarks.



User's choice of visualization

Features the ability to create widgets from a range of choices like bar chart, line, gauge, table or pie chart for the most apt data visualization.

Upto 8 widgets

User can associate up to 8 widgets in a single dashboard.

Effortless data comparisons

The Common filter helps the user to easily compare and verify data with the least effort.

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Live Dashboard

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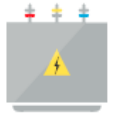
Energy Monitoring Dashboard

Dashboard » Block A & B Total Consumption

+ Create

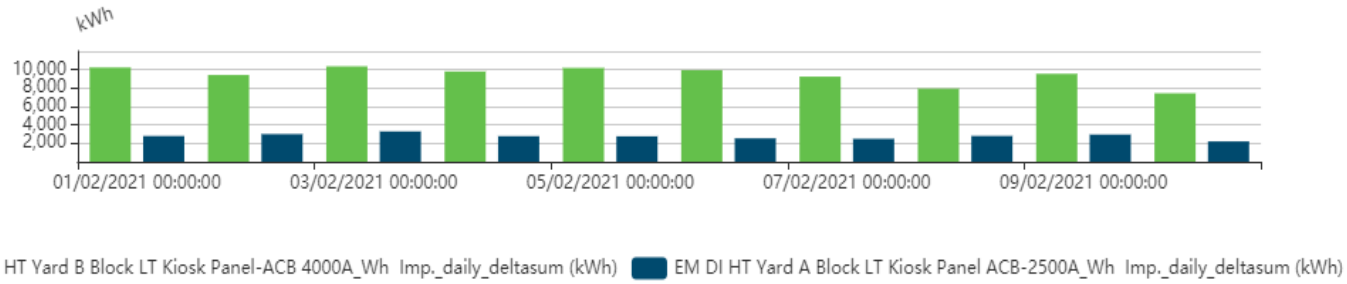
ENERGY CONSUMPTION BLOCK A &...
Today

ENERGY CONSUMPTION BLOCK A & B



B BLOCK-LT KIOSK 4000A	7437.44 kWh
A BLOCK-LT KIOSK 2500A	2210.34 kWh
Total Energy	9647.78 kWh

Daily Consumption Block A & B
This month



kVA BLOCK A & B
Today

B BLOCK LT KIOSK 4000A	445.31 kVA
A BLOCK LT KIOSK 2500A	137.18 kVA
TOTAL	582.49 kVA

kW BLOCK A & B
Today

B BLOCK LT KIOSK 4000A	443.09 kW
A BLOCK LT KIOSK 2500A	134.99 kW
TOTAL	578.08 kW

Amps Avg Block A & B
Today

B BLOCK LT KIOSK 4000A	619.69 A
A BLOCK LT KIOSK 2500A	201.59 A
TOTAL	821.28 A

Today

B BLOCK LT KIOSK 4000A	41.52 kVAr
A BLOCK LT KIOSK 2500A	21.76 kVAr
TOTAL	63.28 kVAr

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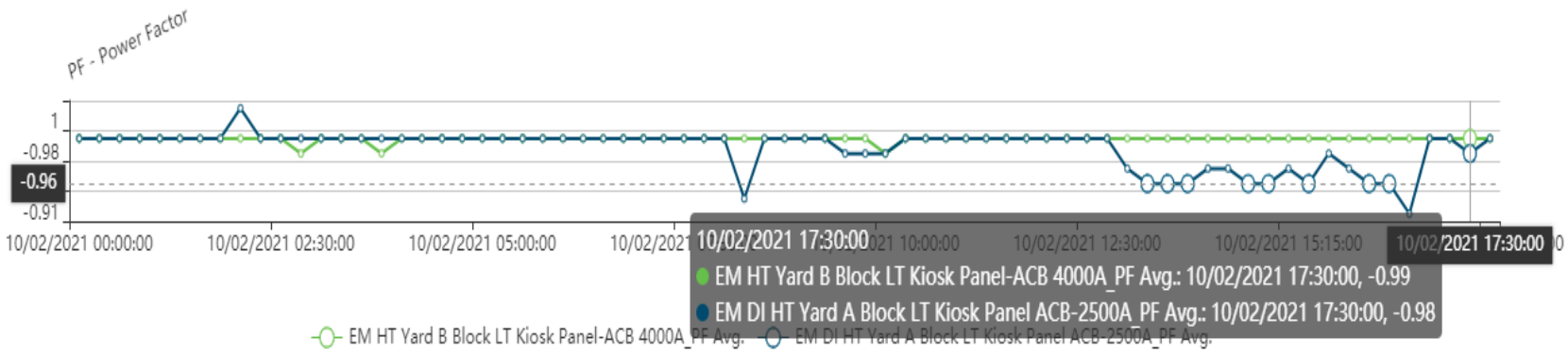
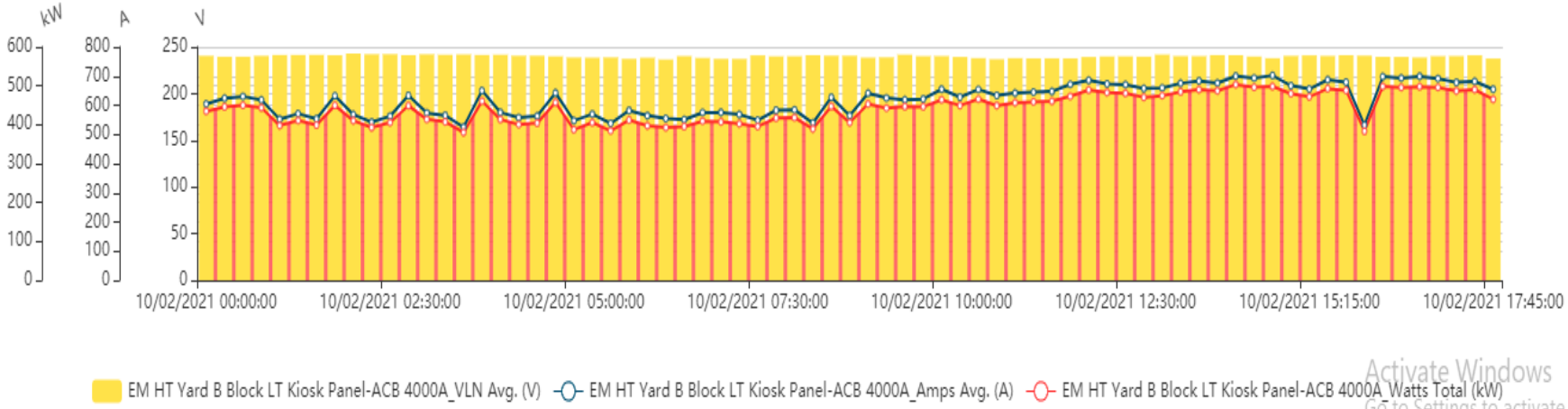
PF Chart

Today



Volts & Ampere & Watts

Today



Activate Windows
Go to Settings to activate Windows.

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Dashboard » Energy Monitoring System

+ Create

Kilo watts — Live

EM Block B Basement Main LT P...

472.00 Kilowatts

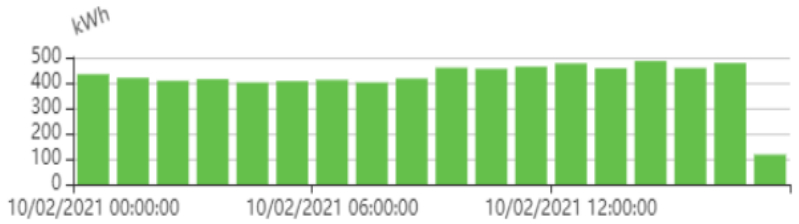
Amps — Live

EM Block B Basement Main LT P...

656.86 amps

HOURLY CONSUMPTION

Today



EM Block B Basement Main LT Panel Incomer from LT Kiosk ACB 3200A_Wh Imp._1 hour_deltasum (kWh)

Voltage

Today

415.39 VLL Avg.

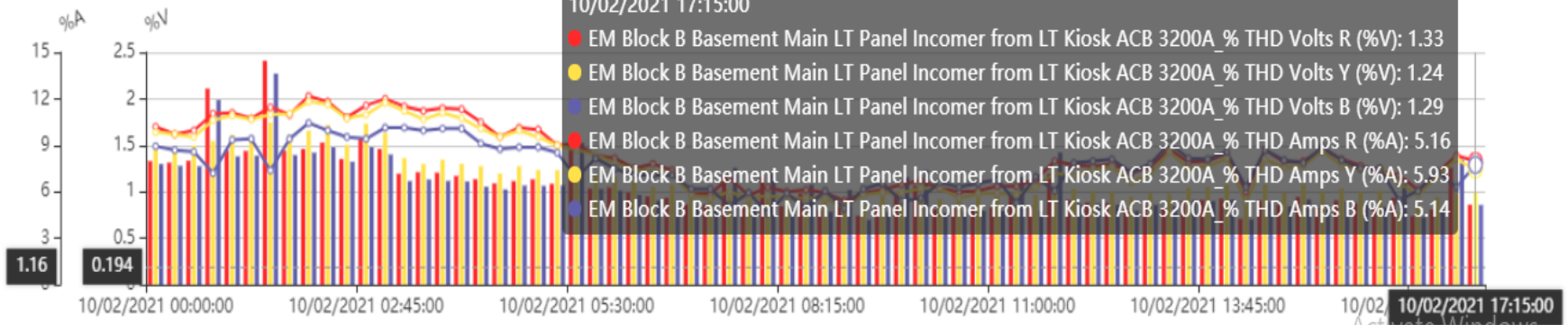
KiloWatts

Last 15 minutes

497.4 KW

HARMONICS

Today



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Common Filter Option

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Alarms

Configurable alert levels

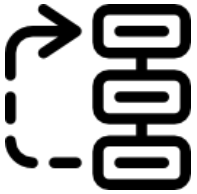
Generates alarms for the when the configured threshold limits are exceeded.

Real-time alerts

Instants pop-up alerts on the dashboard to help you avert a possible mishap.

Alerts on-the-go

Email and SMS alerts for a configured user group or for an individual user.



Alert prioritization

Option to define the priority level of an alert.

Dedicated acknowledgement

Acknowledge page for the generated alarms to clear them off.

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Alert Notifications List

High	Medium	Low
336	2	318

Asset	Alert Name	Type	Priority	Status	Acknowledge	Tag name	Asset Status	Set Value	Triggered value	Triggered Time	Reset Time
EM DI Block A Baseme	Status ON DI2	Alarm	High	Active	ACK	Status On/OFF - DI 1		1	1	2021-01-30 17:04:12	
EM DI Block A Baseme	Status ON DI2	Alarm	High	Active	ACK	Status On/OFF - DI 1		1	1	2021-01-30 17:04:09	
EM DI Block A Baseme	Status ON DI2	Alarm	High	Active	ACK	Status On/OFF - DI 1		1	1	2021-01-30 17:04:07	
EM DI HT Yard A Block	Status ON DI2	Alarm	High	Active	ACK	Status On/OFF - DI 1		1	1	2021-01-30 17:04:05	
Block A Basement LT F	Status ON DI2	Alarm	High	Active	ACK	Status On/OFF - DI 1		1	1	2021-01-30 17:04:02	
HT Yard B block LT Kio	Status ON DI2	Alarm	High	Active	ACK	Status On/OFF - DI 1		1	1	2021-01-30 17:04:00	
Block B 3rd Floor Sub U	Status ON DI4	Alarm	High	Active	ACK	Status On/OFF - DI 3		1	1	2021-01-30 17:03:57	
Block B 3rd Floor Sub U	Status ON DI4	Alarm	High	Active	ACK	Status On/OFF - DI 3		1	1	2021-01-30 17:03:55	
Block B 3rd Floor Sub U	Status ON DI4	Alarm	High	Active	ACK	Status On/OFF - DI 3		1	1	2021-01-30 17:03:52	
Block B 3rd Floor Elect	Status ON DI4	Alarm	High	Active	ACK	Status On/OFF - DI 3		1	1	2021-01-30 17:03:49	

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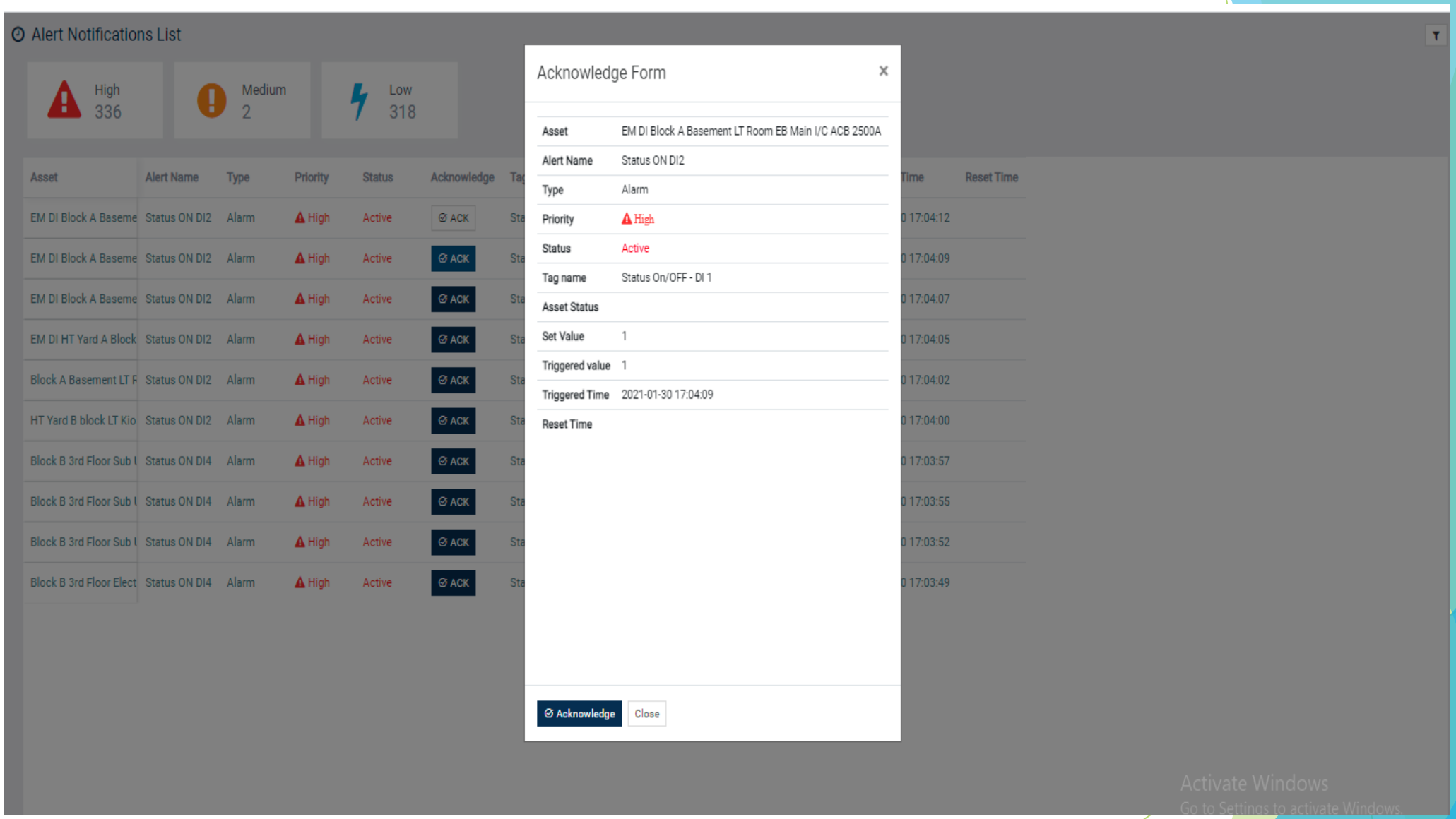

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Alert Notifications List

Acknowledged Successfully

High	Medium	Low
High: 336	2	318

Asset	Alert Name	Type	Priority	Status	Acknowledge	Tag name	Asset Status	Set Value	Triggered value	Triggered Time	Reset Time
EM DI Block A Baseme	Status ON DI2	Alarm	High	Active	ACK	Status On/OFF - DI 1		1	1	2021-01-30 17:04:12	
EM DI Block A Baseme	Status ON DI2	Alarm	High	Active	ACK	Status On/OFF - DI 1		1	1	2021-01-30 17:04:09	
EM DI Block A Baseme	Status ON DI2	Alarm	High	Active	ACK	Status On/OFF - DI 1		1	1	2021-01-30 17:04:07	
EM DI HT Yard A Block	Status ON DI2	Alarm	High	Active	ACK	Status On/OFF - DI 1		1	1	2021-01-30 17:04:05	
Block A Basement LT F	Status ON DI2	Alarm	High	Active	ACK	Status On/OFF - DI 1		1	1	2021-01-30 17:04:02	
HT Yard B block LT Kio	Status ON DI2	Alarm	High	Active	ACK	Status On/OFF - DI 1		1	1	2021-01-30 17:04:00	
Block B 3rd Floor Sub U	Status ON DI4	Alarm	High	Active	ACK	Status On/OFF - DI 3		1	1	2021-01-30 17:03:57	
Block B 3rd Floor Sub U	Status ON DI4	Alarm	High	Active	ACK	Status On/OFF - DI 3		1	1	2021-01-30 17:03:55	
Block B 3rd Floor Sub U	Status ON DI4	Alarm	High	Active	ACK	Status On/OFF - DI 3		1	1	2021-01-30 17:03:52	
Block B 3rd Floor Elect	Status ON DI4	Alarm	High	Active	ACK	Status On/OFF - DI 3		1	1	2021-01-30 17:03:49	

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Reports

- **Log reports -** multi-device, multi-parameters report.
- **Selectable time reports -** 15 min, 30 min, hourly, monthly, weekly, and daily reports.
- **Alarm reports -** With user login acknowledgement.
- **Status reports -** With user login acknowledgement.
- **Other reports -** Average PF report, Shift report, TOD report, Groupwise report, Power outage report.
- **Report scheduling -** Scheduling of report on email for user work group or for individual login.

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Reports » CONSUMPTION REPORT

+Create

Consumption Report
This month

TimeStamp	EM Block B Basement Main LT Panel Incomer from LT Kiosk ACB 3200A_Wh Imp._daily deltasum (kWh)	EM Block B Basement Main LT Panel L&R Panel ACB 1000A_Wh Imp._daily deltasum (kWh)	EM Block B Basement Main LT Panel Spare_Wh Imp._daily deltasum (kWh)	EM Block B Basement Main LT Panel AC Chiller ACB 1000A_Wh Imp._daily deltasum (kWh)	EM Block B Basement Main LT Panel DC 500KVA Isolation Transformer I/P ACB 1250A_Wh Imp._daily deltasum (kWh)	EM Block B Basement Main LT Panel 3rd Floor ACB Change Over Panel UPS I/P ACB 1600A_Wh Imp._daily deltasum (kWh)	EM Block B Basement LT Room DG Incomer -2 ACB 1250A_Wh Imp._daily deltasum (kWh)	EM Block B Basement LT Room DG Incomer -1 ACB 1250A_Wh Imp._daily deltasum (kWh)	EM DI Block B Basement LT Room Source 3 and 4 Panel From A block I/C 1 ACB 2500A_Wh Imp._daily deltasum (kWh)	EM Block B Basement LT Room Source 3&4 panel Chiller Panel O/G source-2 ACB 1000A_Wh Imp._daily deltasum (kWh)	EM HT Yard B Block LT Kiosk Panel-ACB 4000A_Wh Imp._daily deltasum (kWh)	EM DI HT Yard A Block LT Kiosk Panel ACB-2500A_Wh Imp._daily deltasum (kWh)
01/02/2021 00:00:00	10824.5	1942.78		2499.84	2303.68	2948.7					10237.7	2797.73
02/02/2021 00:00:00	10703.5	1851.78		2444.03	2303.71	2946.75					9423.04	3004.35
03/02/2021 00:00:00	11007	1981.18		2588.03	2302.05	2950.18					10362.11	3292.03
04/02/2021 00:00:00	10318	1853.44		2286.85	2301.73	2951.9		338.95	0.01	0	9807.17	2780.86
05/02/2021 00:00:00	10708.5	1947.52		2362.88	2304.42	2947.68					10190.08	2764.61
06/02/2021 00:00:00	10737	1899.9		2377.86	2302.02	2947.71					9950.53	2545.34
07/02/2021 00:00:00	10557.5	1842.94		2311.04	2302.78	2949.76					9243.01	2492.99
08/02/2021 00:00:00	10236.5	1900.16		1908.99	2302.98	2947.78					7943.49	2805.38
09/02/2021 00:00:00	10654.5	1893.25		2355.07	2303.57	2948.61					9552.45	2952.22
10/02/2021 00:00:00	7927.5	1428.35		1671.81	1723.71	2222.43			0.03	0.01	7578.5	2244.22

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Reports » Average PF Report

+Create

AVG PF Report

Today

Asset Name	Wh Imp. Opening Reading	Wh Imp. Closing Reading	Wh Imp. Consumption	VAh Imp. Opening Reading	VAh Imp. Closing Reading	VAh Imp. Consumption	Average PF
EM Block B Basement Main LT ...	6783403	6791330.5	7927.5	6906166	6914141.5	7975.5	0.99
EM HT Yard B Block LT Kiosk Pa...	1012038.98	1019617.47	7578.5	1023058.24	1030758.59	7700.35	0.98
EM DI HT Yard A Block LT Kiosk...	367851.42	370095.65	2244.22	379107.68	381445.6	2337.92	0.96

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Reports » ALARM REPORT

ALARM
Previous month

Date and Time	Asset Name	Parameter	Reading	Threshold	Ack By	Ack Time
2021-01-19 17:11:54	EM HT Yard B Block LT Kiosk Panel-ACB 4000A	Amps Avg.	633.08	800	jithin	2021-01-19 17:12:05
2021-01-19 17:17:17	EM HT Yard B Block LT Kiosk Panel-ACB 4000A	Amps Avg.	651.94	800	jithin	2021-01-19 17:18:14
2021-01-19 17:19:17	EM HT Yard B Block LT Kiosk Panel-ACB 4000A	Amps Avg.	650.24	800	jithin	2021-01-19 17:20:31
2021-01-19 17:23:14	EM HT Yard B Block LT Kiosk Panel-ACB 4000A	Amps Avg.	665.68	800	jithin	2021-01-19 17:23:27
2021-01-19 17:25:19	EM HT Yard B Block LT Kiosk Panel-ACB 4000A	Amps Avg.	630.64	400	jithin	2021-01-19 17:26:07
2021-01-19 17:34:18	EM HT Yard B Block LT Kiosk Panel-ACB 4000A	Amps Avg.	660.82	800	jithin	2021-01-19 17:39:17
2021-01-19 17:36:10	EM HT Yard B Block LT Kiosk Panel-ACB 4000A	Amps Avg.	648.02	400	jithin	2021-01-19 17:39:19
2021-01-19 17:37:19	EM HT Yard B Block LT Kiosk Panel-ACB 4000A	Amps Avg.	658.84	800	jithin	2021-01-19 17:39:21
2021-01-19 17:38:15	EM HT Yard B Block LT Kiosk Panel-ACB 4000A	Amps Avg.	639.56	400	jithin	2021-01-19 17:39:23
2021-01-19 18:55:19	EM HT Yard B Block LT Kiosk Panel-ACB 4000A	Amps Avg.	583.47	400		
2021-01-19 23:45:11	EM HT Yard B Block LT Kiosk Panel-ACB 4000A	Amps Avg.	590.2	400		
2021-01-20 00:37:14	EM HT Yard B Block LT Kiosk Panel-ACB 4000A	Amps Avg.	597.8	400		
2021-01-20 00:46:13	EM HT Yard B Block LT Kiosk Panel-ACB 4000A	Amps Avg.	596.65	400		
2021-01-20 01:08:16	EM HT Yard B Block LT Kiosk Panel-ACB 4000A	Amps Avg.	591.27	400		

Activate Windows
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Thank You

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