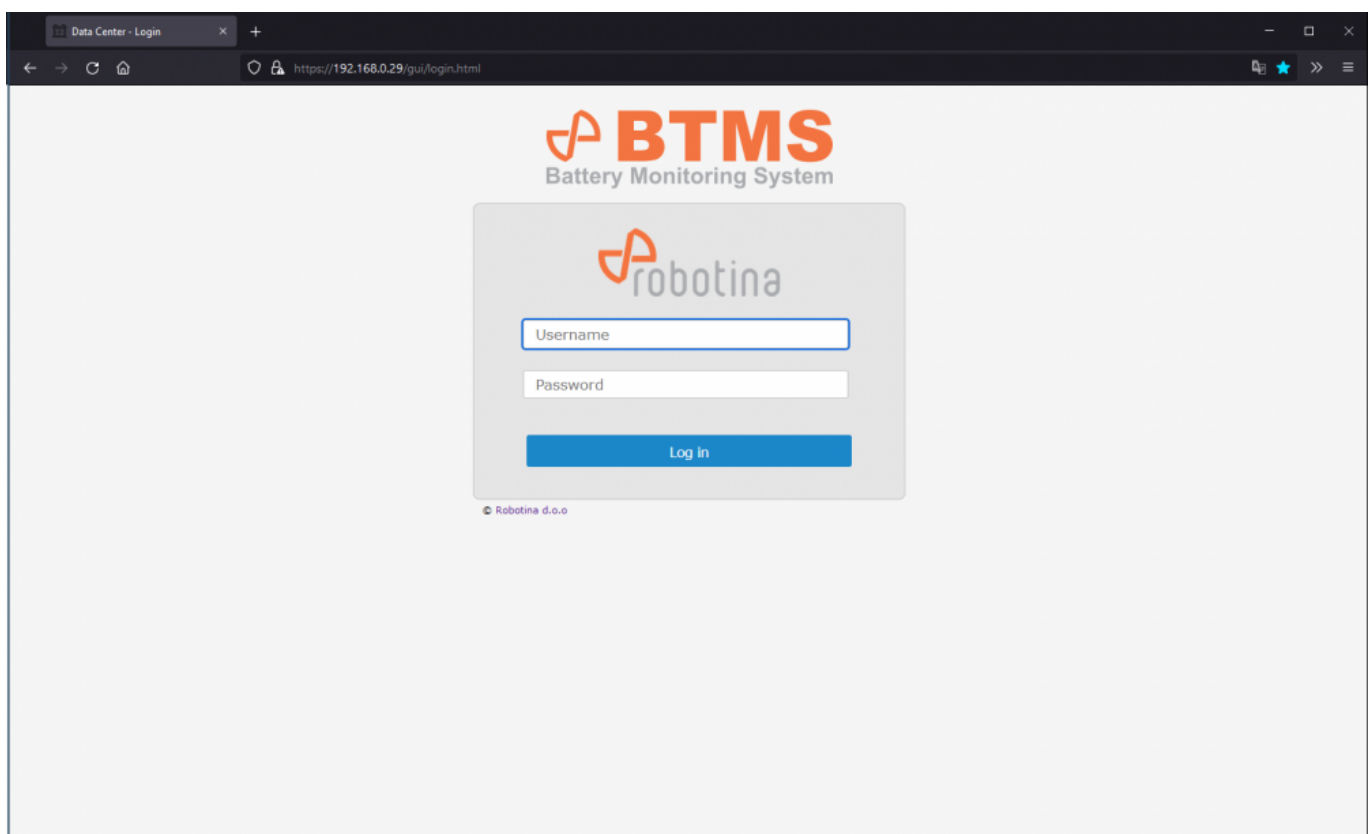


Events & Alarms

BM-GW WEB UI

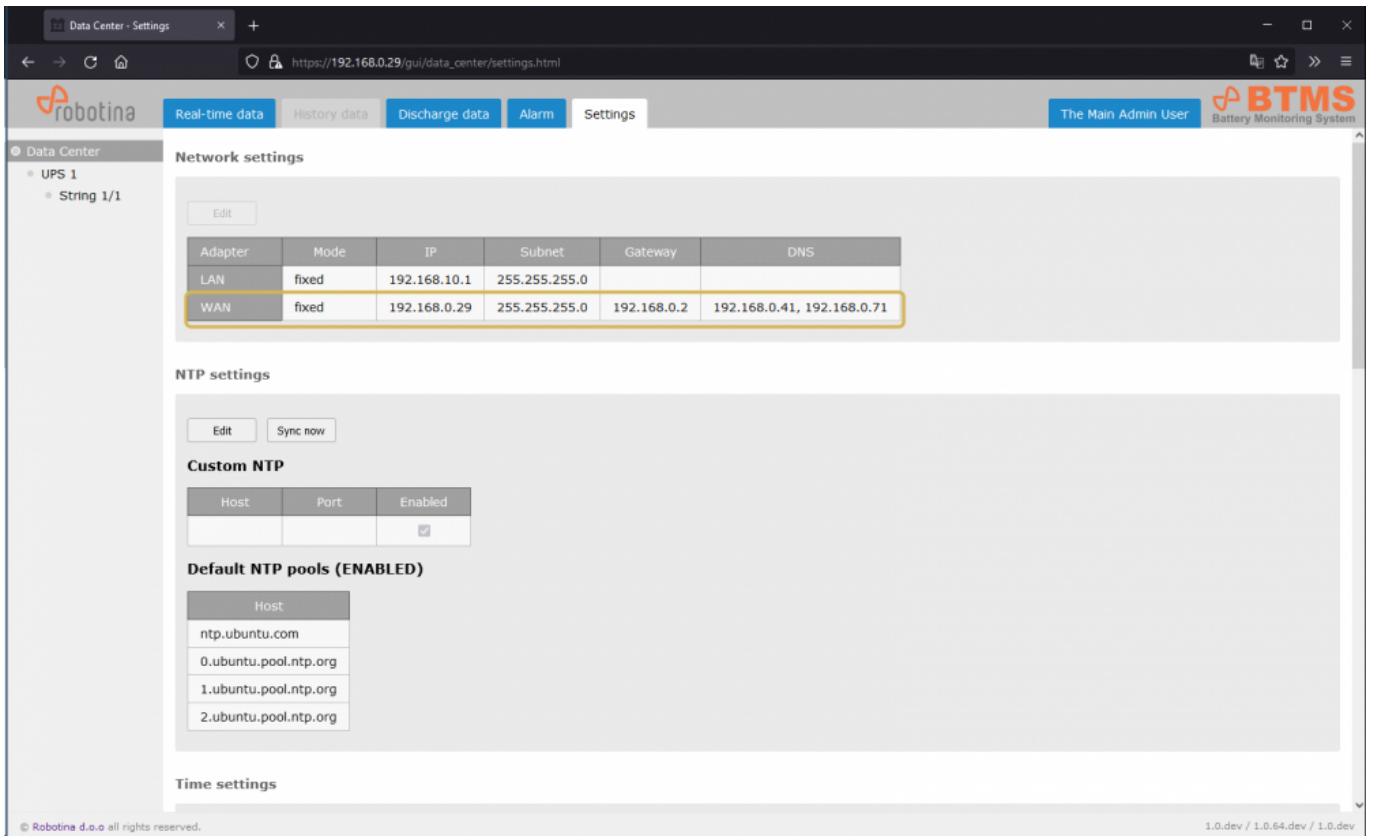
- Demo: [BTMS BM-GW WEB UI demo](#)
- User: demo
- Pass: demo

Log-in



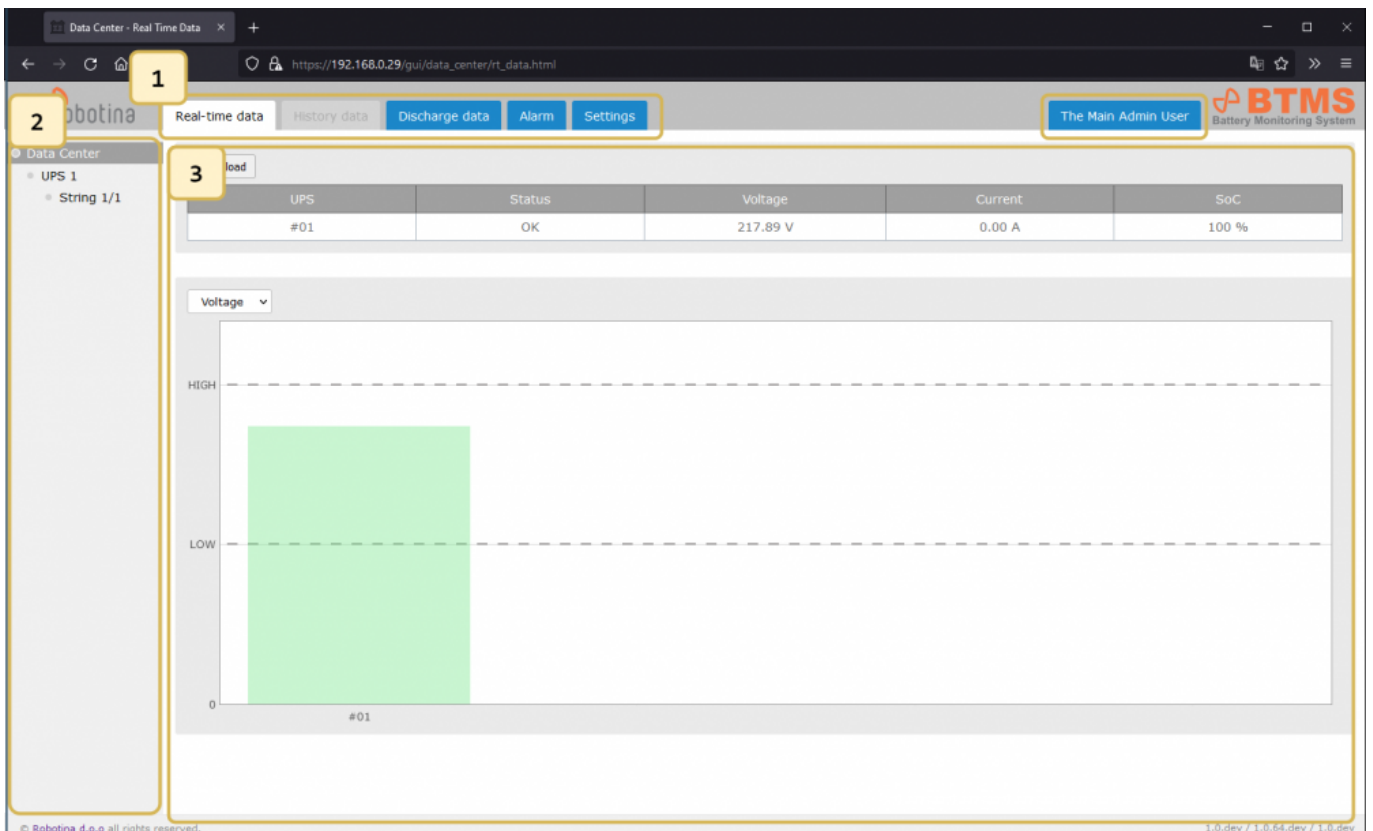
1st time log in:

- Connect Ethernet 2 port to facility LAN
- Connect PC to Ethernet 1 port (standard Ethernet cable between PC and BM-GW Ethernet 1 port)
- For PC Ethernet connection set fixed IP 192.168.10.200.
- Use the Internet browser to go to <https://192.168.10.1>
- Log in as:
 - user: admin
 - password: bmgw!admin
- Check the WAN IP address on the Data center - Settings page and set it if necessary



- Connect the PC to the facility LAN and go to the <https://IP> address of the WAN port

General description

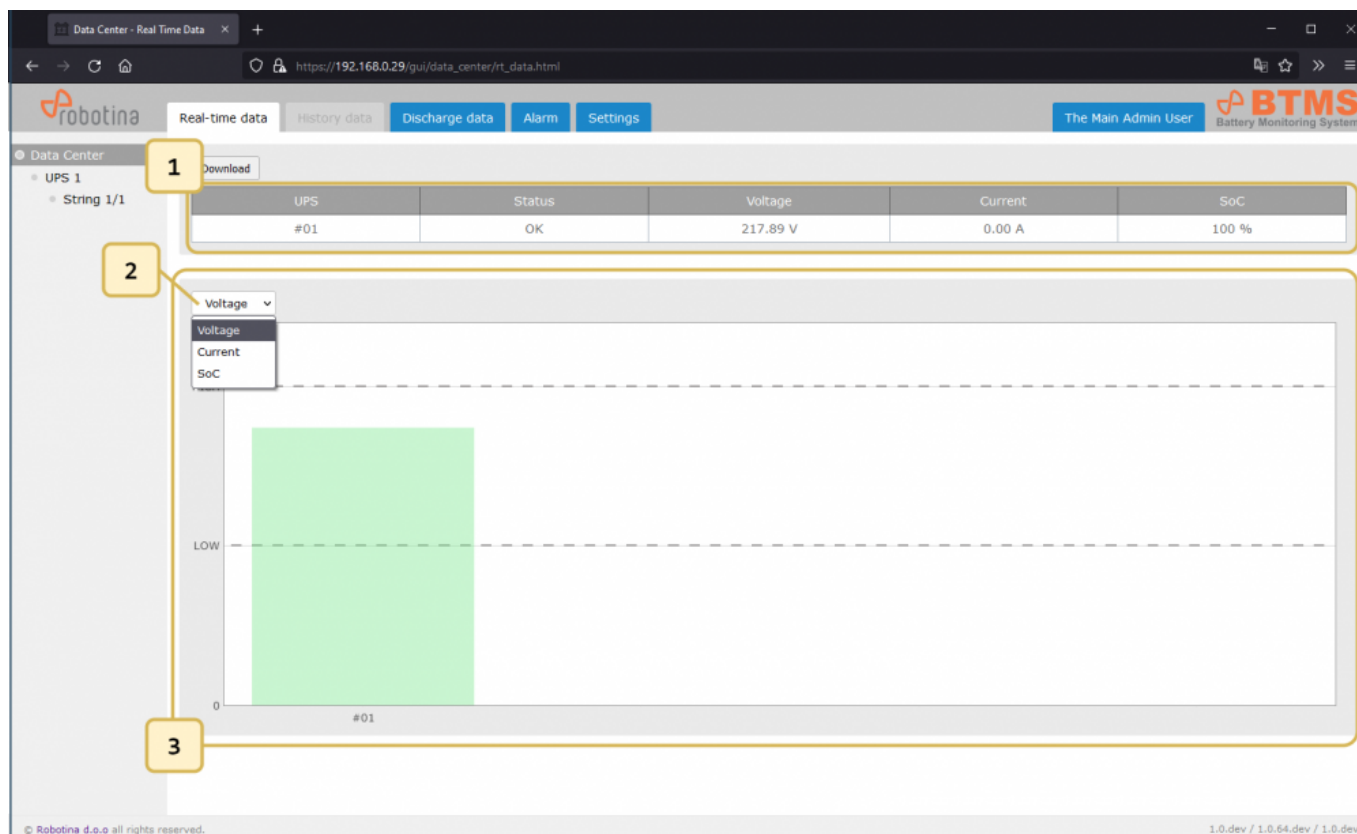


1 Pages tabs

2	Data center tree structure
3	Page data

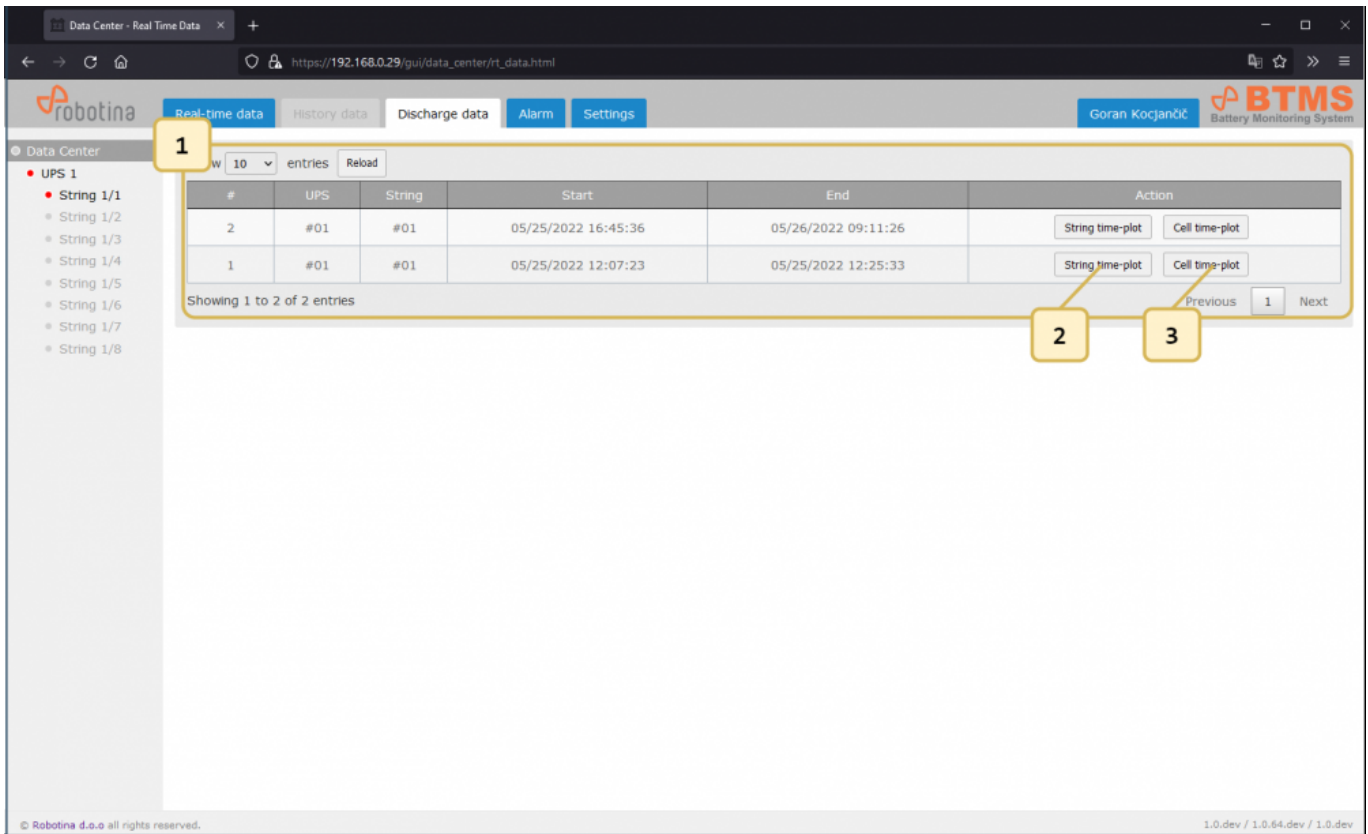
Data center

Real-time data



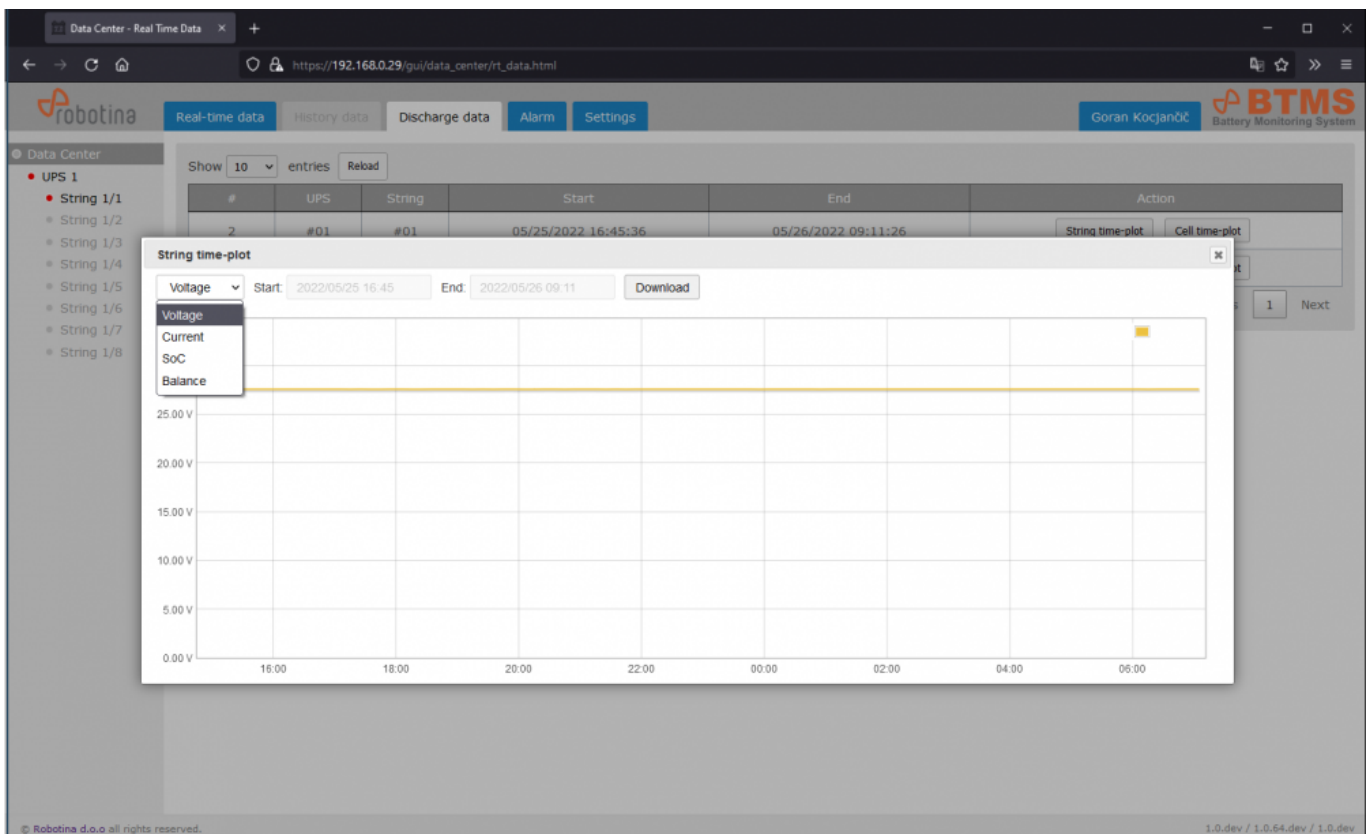
1	Tabular display of data for the Data Center
2	Select a parameter for the graphic display
3	Graphic bar-graph data display for the data center

Discharge data

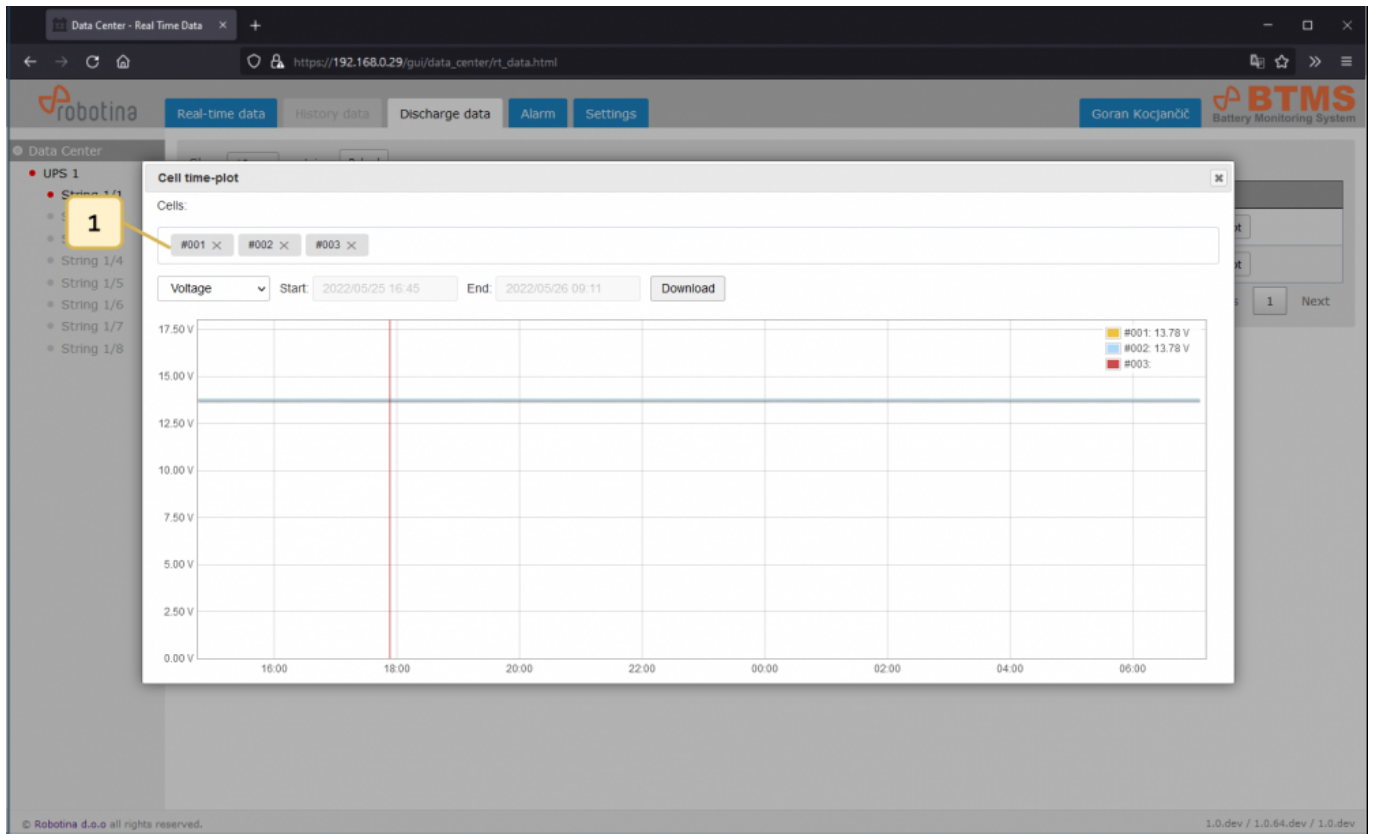


1	Discharge events table
2	String time-plot for discharge event
3	Cell time-plot for discharge event

String time-plot for discharge event



Cell time-plot for discharge event



1 Cell selection

Alarm

#	UPS	String	Cell	From	To	Alarm	Status
14	#01	#01	#001	06/07/2022 14:22:20		Temperature high	active
13	#01	#01		06/06/2022 13:35:56	06/06/2022 13:38:24	Current low (discharging)	gone
12	#01	#01		06/06/2022 13:29:16	06/06/2022 13:38:24	Current high (charging)	gone
11	#01	#01		06/06/2022 13:14:48	06/06/2022 13:28:41	Voltage low	gone
10	#01	#01		06/06/2022 13:14:48	06/06/2022 13:28:41	Voltage high	gone
9	#01	#01		06/06/2022 13:14:48	06/06/2022 13:28:41	Current low (discharging)	gone
8	#01	#01		06/06/2022 13:14:48	06/06/2022 13:28:41	Current high (charging)	gone
7	#01	#01		06/06/2022 13:00:19	06/06/2022 13:00:51	Voltage low	gone
6	#01	#01		06/06/2022 12:43:25	06/06/2022 13:00:51	Voltage high	gone
5	#01	#01		06/06/2022 12:43:25	06/06/2022 13:00:51	Current low (discharging)	gone

1	Alarms sub-page selection
2	Alarms table

E-mails

The screenshot shows the 'Sent E-mails' page in the Robotina BTMS web interface. The page displays a table of 6 email entries, each representing a failed alarm notification. The table columns include #, UPS, String, Cell, Alarm, Time, Contact, Status, and Error. The status for all entries is 'failed', and the error message is 'Couldn't connect to host, port: localhost, 25; timeout -1'. The interface also shows navigation tabs for Alarms, E-mails, and SMS, and a sidebar for Data Center navigation.

#	UPS	String	Cell	Alarm	Time	Contact	Status	Error
6	#01	#01		current low (discharging)	06/06/2022 13:40:49	The Main Admin User / razvoj@3-port.si	failed	SMTP server not configrued
5	#01	#01		current low (discharging)	06/06/2022 13:40:39	Uroš Marušič / uros.marusic@3-port.si	failed	Couldn't connect to host, port: localhost, 25; timeout -1
4	#01	#01		3 events from 2022-06-06T13:14:48+02:00 to 2022-06-06T13:29:16+02:00	06/06/2022 13:32:05	The Main Admin User / razvoj@3-port.si	failed	Couldn't connect to host, port: localhost, 25; timeout -1
3	#01	#01		3 events from 2022-06-06T13:14:48+02:00 to 2022-06-06T13:29:16+02:00	06/06/2022 13:32:05	Uroš Marušič / uros.marusic@3-port.si	failed	Couldn't connect to host, port: localhost, 25; timeout -1
2	#01	#01		3 events from 2022-06-06T13:00:51+02:00 to 2022-06-06T13:14:48+02:00	06/06/2022 13:17:06	The Main Admin User / razvoj@3-port.si	failed	Couldn't connect to host, port: localhost, 25; timeout -1
1	#01	#01		3 events from 2022-06-06T13:00:51+02:00 to 2022-06-06T13:14:48+02:00	06/06/2022 13:17:05	Uroš Marušič / uros.marusic@3-port.si	failed	Couldn't connect to host, port: localhost, 25; timeout -1

Showing 1 to 6 of 6 entries

Previous 1 Next

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SMS

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Settings

Network settings, NTP settings

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Time settings, Users

The screenshot shows the 'Settings' page in the Robotina BTMS interface. The left sidebar shows the navigation menu with 'Data Center' expanded to 'UPS 1' and 'String 1/1'. The main content area is divided into three sections: 'Time settings', 'Users', and 'SMTP settings'.

Time settings

Time: 18:10:09
Date: 06/07/2022

Timezone: Europe/Ljubljana

Users

User	Full name	Administrator	Phone number	E-mail
admin	The Main Admin User	<input checked="" type="checkbox"/>		razvoj@3-port.si
goran	Goran Kocjancic	<input checked="" type="checkbox"/>	041379313	goran.kocjancic@robotina.com
devid	Devid Palcic	<input checked="" type="checkbox"/>		

SMTP settings

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SNMP settings, SMS notifications, Project settings, Data export

The screenshot shows the 'Settings' page in the Robotina BTMS interface, focusing on the lower sections. The left sidebar is the same as in the previous screenshot.

SMTP settings

Host	Port	From E-mail	Security	Username

SMS notifications

Test SMS: Your user does not have an associated phone number.

Project settings

Project name	Company	URL	Owner

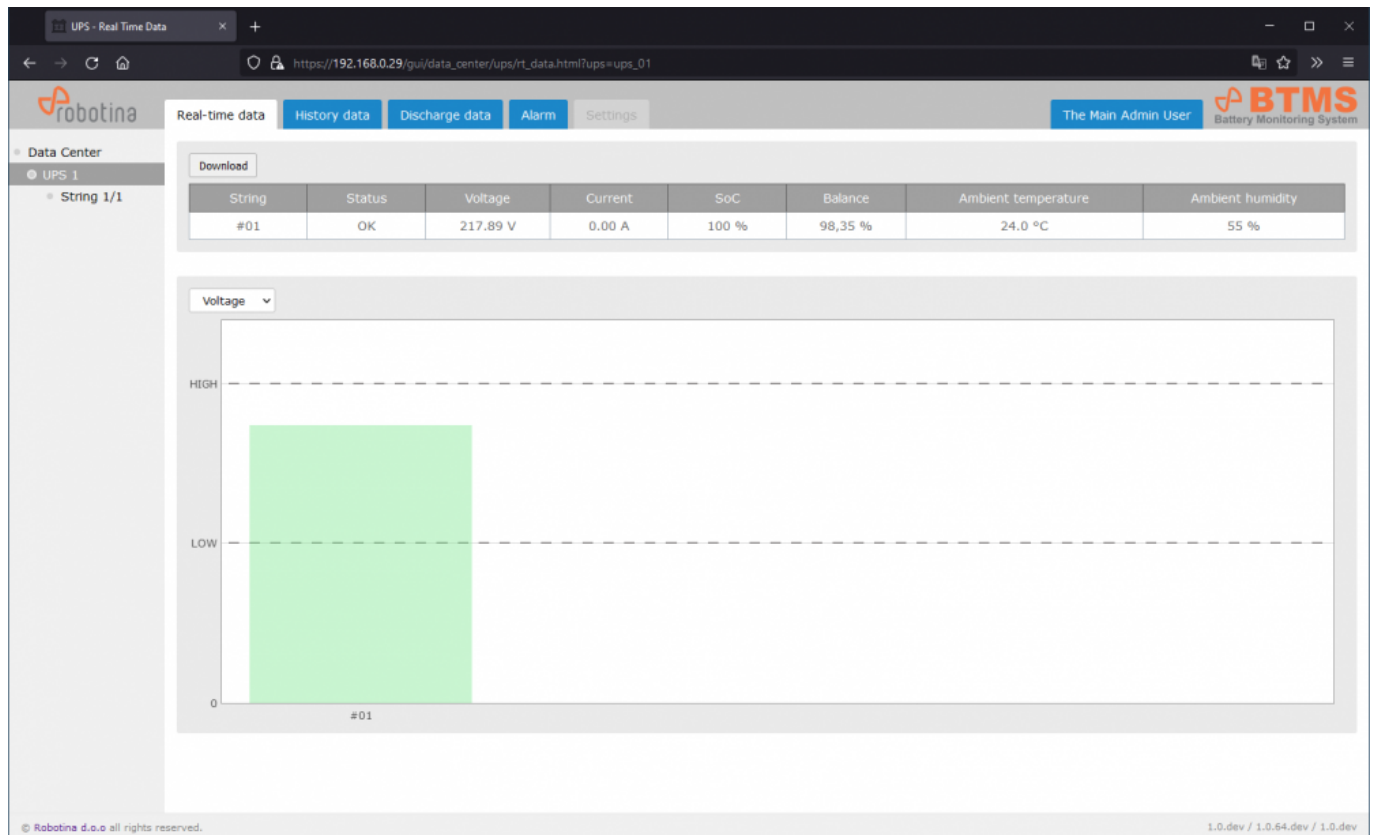
Data Export

File	Size	Time
No data exports available		

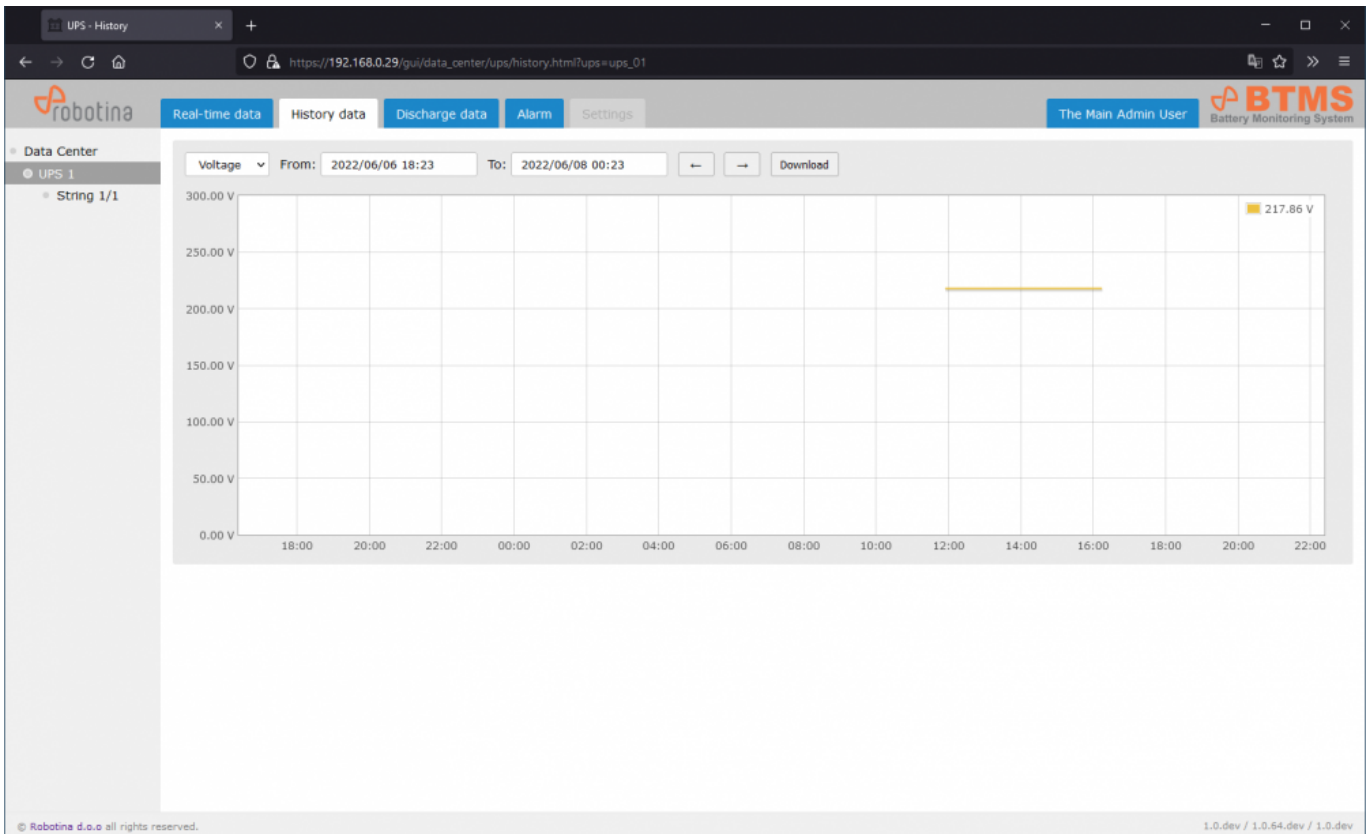
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UPS

Real-time data



History data

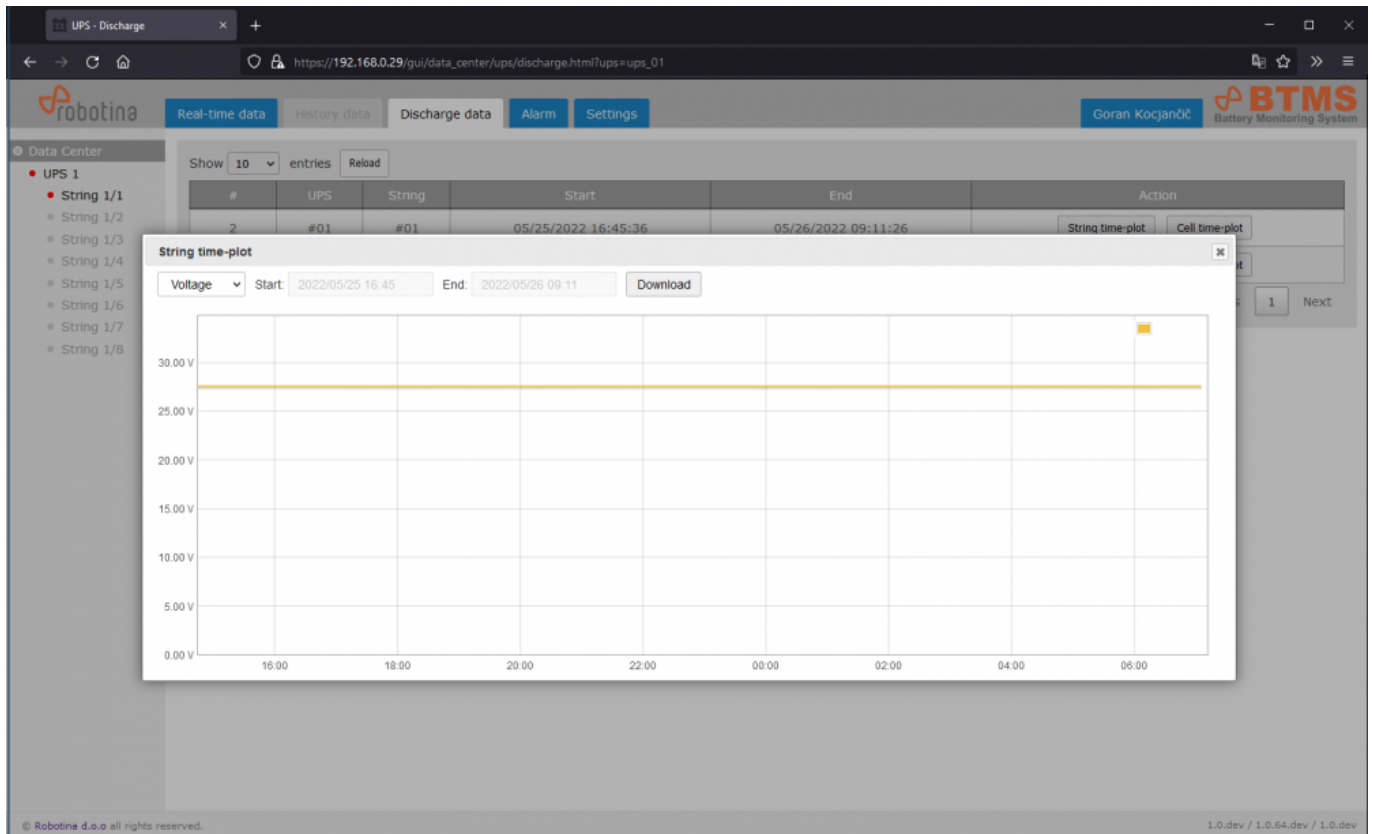


Discharge data

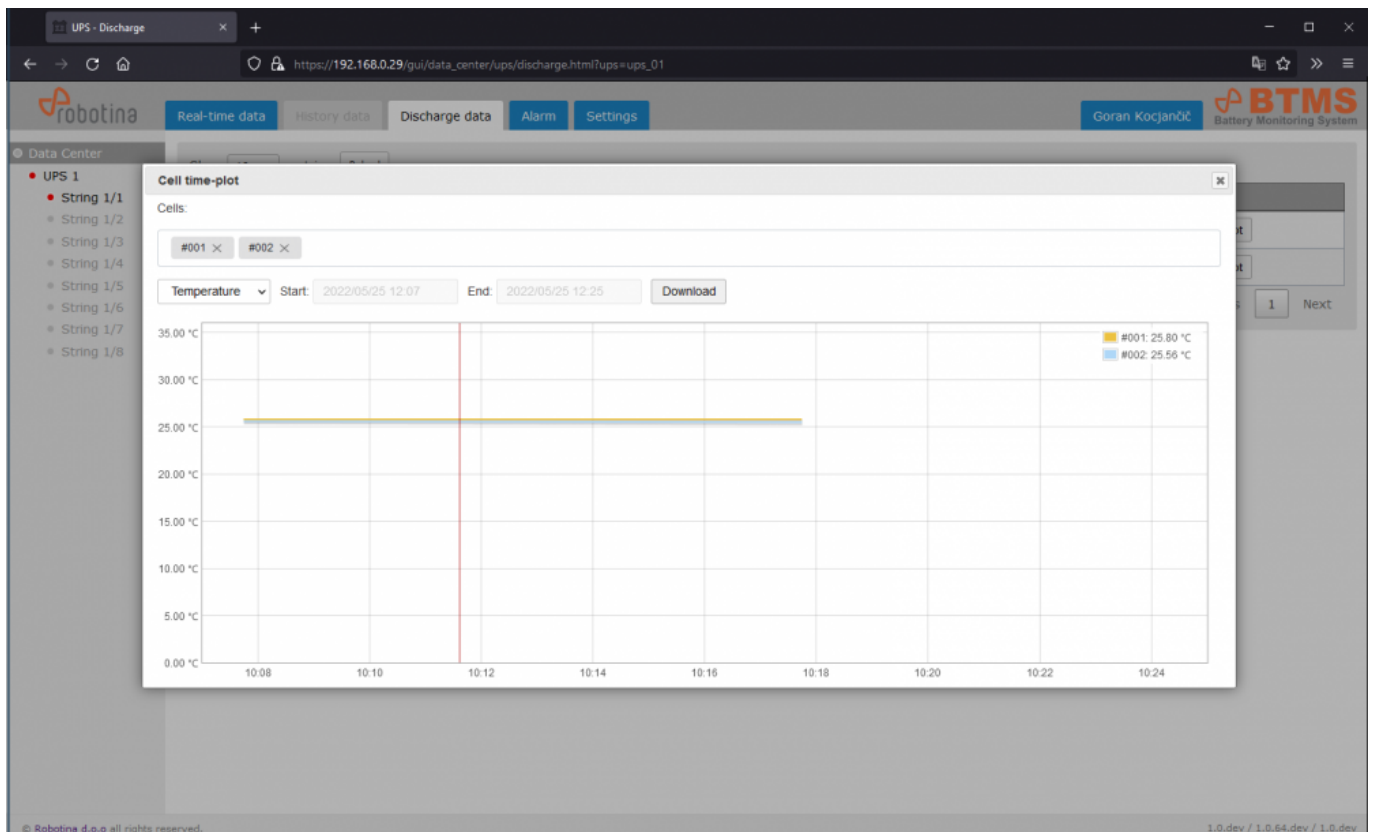
The screenshot shows the 'Discharge data' tab in the BTMS interface. It displays a table with two entries of discharge data for 'String 1/1'. The table has columns for '#', 'UPS', 'String', 'Start', 'End', and 'Action'. The 'Action' column contains buttons for 'String time-plot' and 'Cell time-plot'. The interface also includes a sidebar with 'Data Center' and 'UPS 1' sections, and a top navigation bar with tabs for 'Real-time data', 'History data', 'Discharge data', 'Alarm', and 'Settings'.

#	UPS	String	Start	End	Action
2	#01	#01	05/25/2022 16:45:36	05/26/2022 09:11:26	String time-plot Cell time-plot
1	#01	#01	05/25/2022 12:07:23	05/25/2022 12:25:33	String time-plot Cell time-plot

String time-plot



Cell time-plot



Alarm

The screenshot shows the 'Alarm' tab in the Robotina BTMS interface. The interface includes a navigation menu on the left with 'Data Center', 'UPS 1', and 'String 1/1'. The main content area displays a table of alarm events. The table has columns for '#', 'String', 'Cell', 'From', 'To', 'Alarm', and 'Status'. The events listed are:

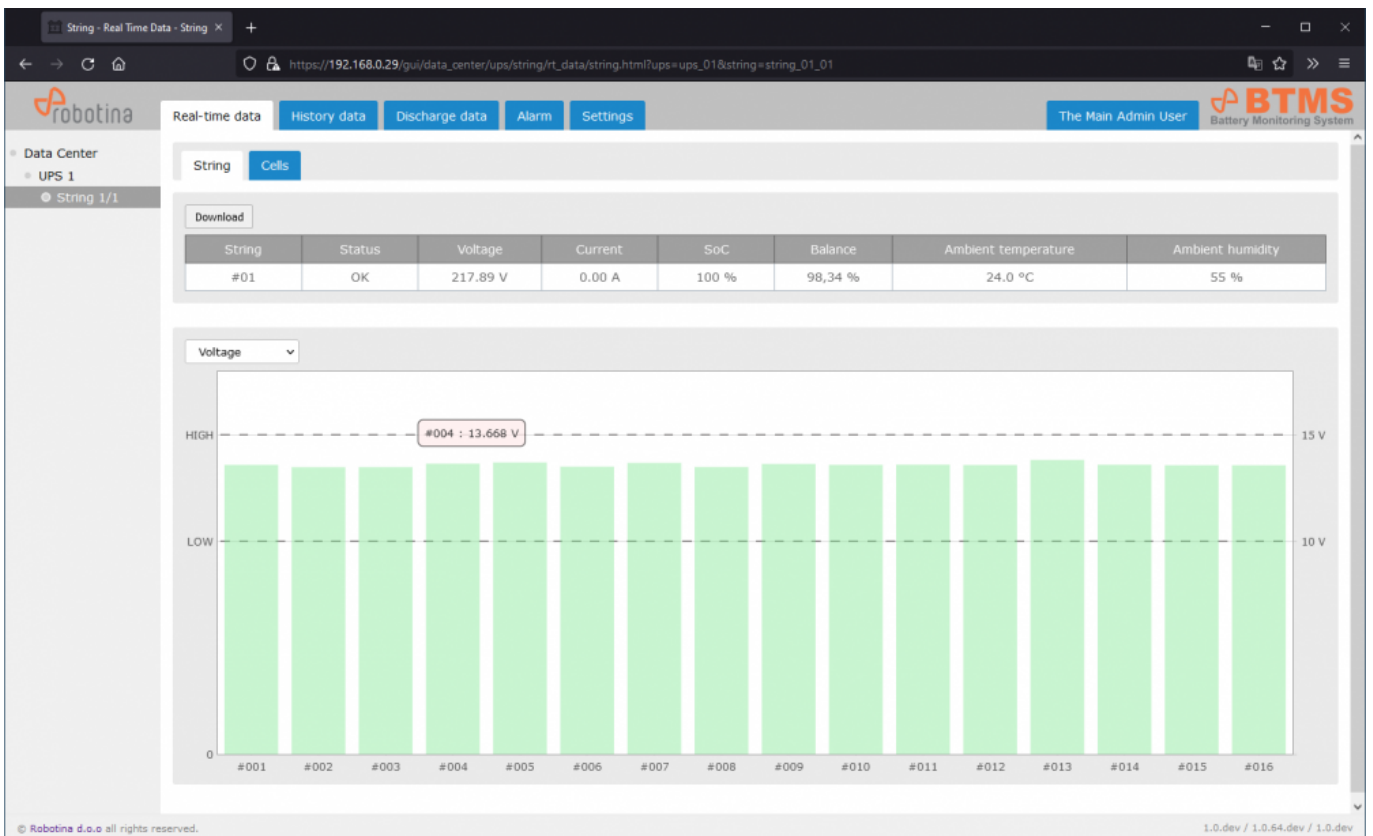
#	String	Cell	From	To	Alarm	Status
14	#01	#001	06/07/2022 14:22:20		Temperature high	active
13	#01		06/06/2022 13:35:56	06/06/2022 13:38:24	Current low (discharging)	gone
12	#01		06/06/2022 13:29:16	06/06/2022 13:38:24	Current high (charging)	gone
11	#01		06/06/2022 13:14:48	06/06/2022 13:28:41	Voltage low	gone
10	#01		06/06/2022 13:14:48	06/06/2022 13:28:41	Voltage high	gone
9	#01		06/06/2022 13:14:48	06/06/2022 13:28:41	Current low (discharging)	gone
8	#01		06/06/2022 13:14:48	06/06/2022 13:28:41	Current high (charging)	gone
7	#01		06/06/2022 13:00:19	06/06/2022 13:00:51	Voltage low	gone
6	#01		06/06/2022 12:43:25	06/06/2022 13:00:51	Voltage high	gone
5	#01		06/06/2022 12:43:25	06/06/2022 13:00:51	Current low (discharging)	gone

Below the table, it says 'Showing 1 to 10 of 14 entries'. There are navigation buttons for 'Previous', '1', '2', and 'Next'. The footer of the interface contains the text '© Robotina d.o.o all rights reserved.' and '1.0.dev / 1.0.64.dev / 1.0.dev'.

String

Real-time data

String



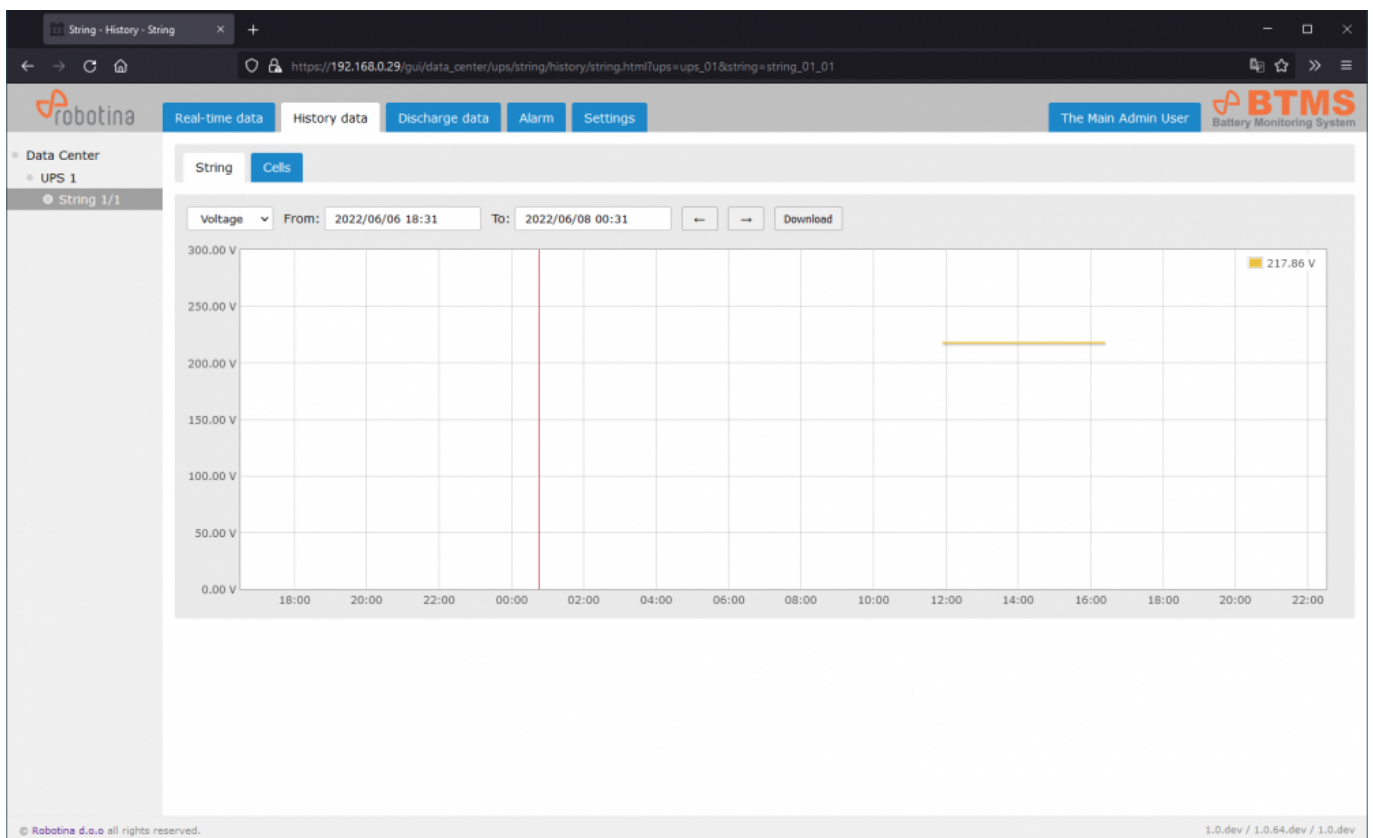
Cells

Cell	Status	Voltage	Resistance	Temperature	SoC	SoH
#001	OK	13.611 V	18.036 mΩ	300.0 °C	100 %	76 %
#002	OK	13.502 V	16.718 mΩ	300.0 °C	100 %	79 %
#003	OK	13.506 V	16.674 mΩ	300.0 °C	100 %	79 %
#004	OK	13.666 V	15.875 mΩ	300.0 °C	100 %	81 %
#005	OK	13.725 V	15.655 mΩ	300.0 °C	100 %	82 %
#006	OK	13.529 V	15.439 mΩ	300.0 °C	100 %	82 %
#007	OK	13.703 V	15.058 mΩ	300.0 °C	100 %	83 %
#008	OK	13.512 V	18.096 mΩ	300.0 °C	100 %	76 %
#009	OK	13.655 V	15.747 mΩ	300.0 °C	100 %	82 %
#010	OK	13.611 V	15.647 mΩ	300.0 °C	100 %	82 %

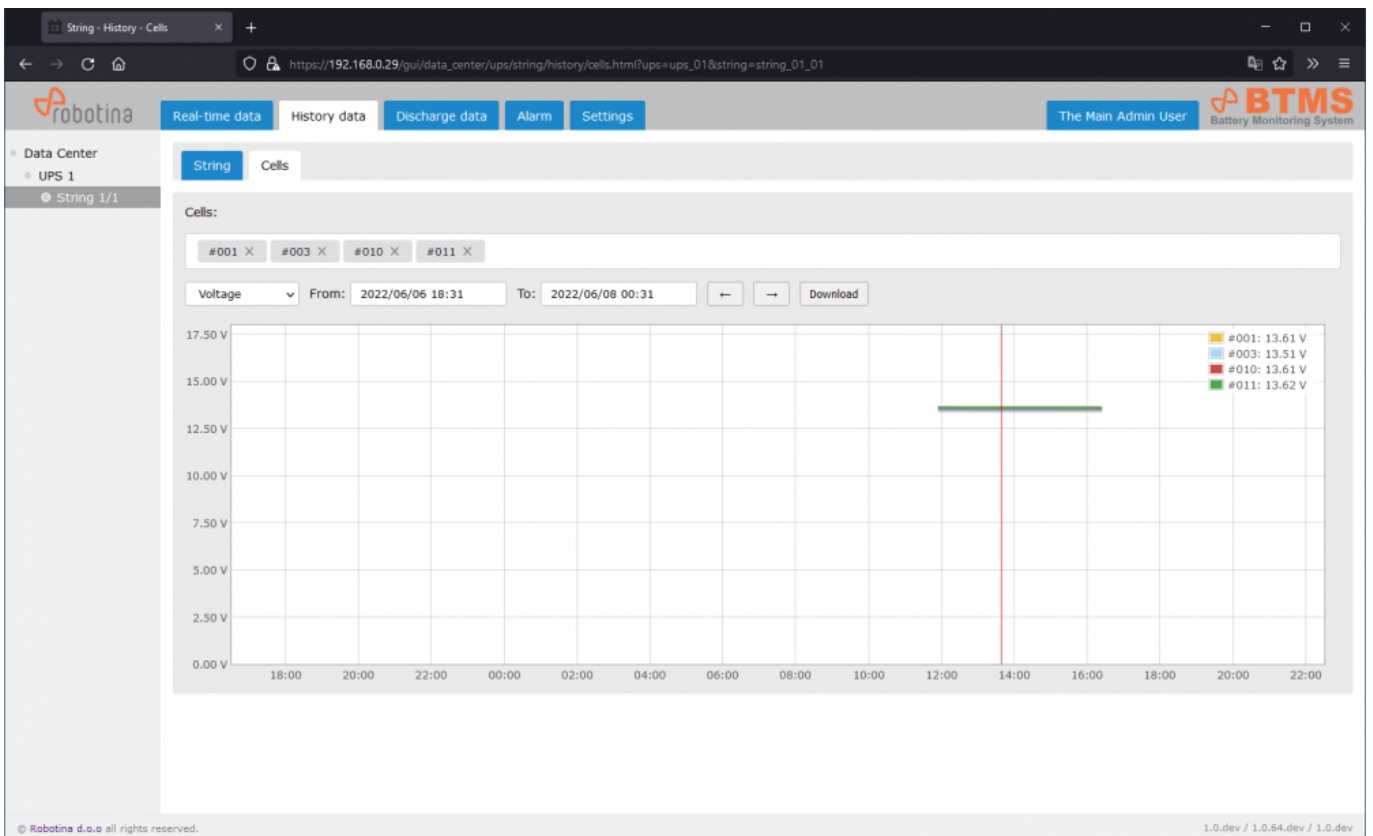
Showing 1 to 10 of 16 entries

History data

String



Cells



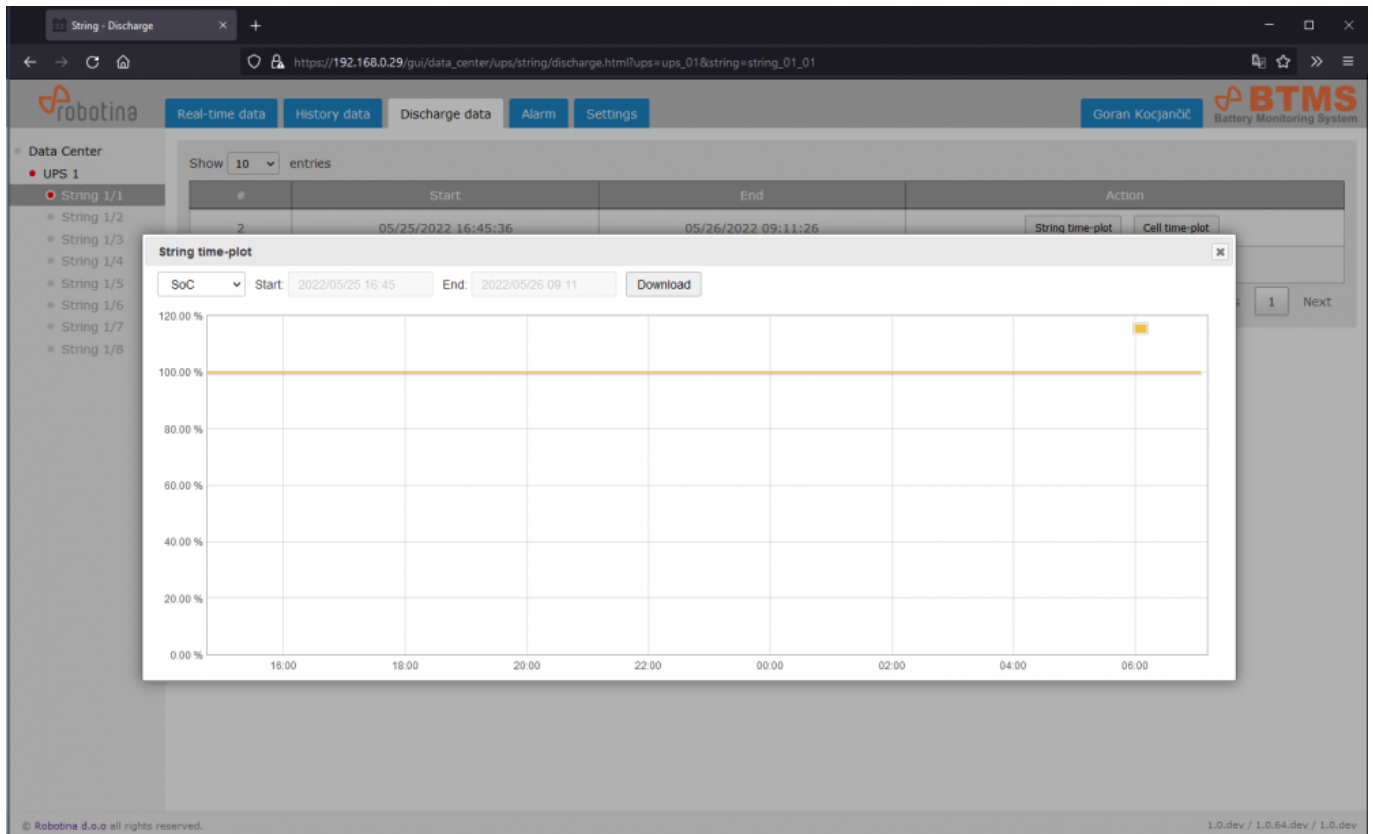
Discharge data

The screenshot shows the 'String - Discharge' page in the Robotina BTMS interface. The page title is 'String - Discharge' and the URL is 'https://192.168.0.29/gui/data_center/ups/string/discharge.html?ups=ups_01&string=string_01_01'. The interface includes a navigation menu with 'Real-time data', 'History data', 'Discharge data', 'Alarm', and 'Settings'. The user is logged in as 'Goran Kocjančič'. The left sidebar shows the hierarchy: 'Data Center' > 'UPS 1' > 'String 1/1'. The main content area has tabs for 'Real-time data', 'History data', 'Discharge data', 'Alarm', and 'Settings'. Below the tabs, there is a 'Show 10 entries' dropdown. The main area contains a table with the following data:

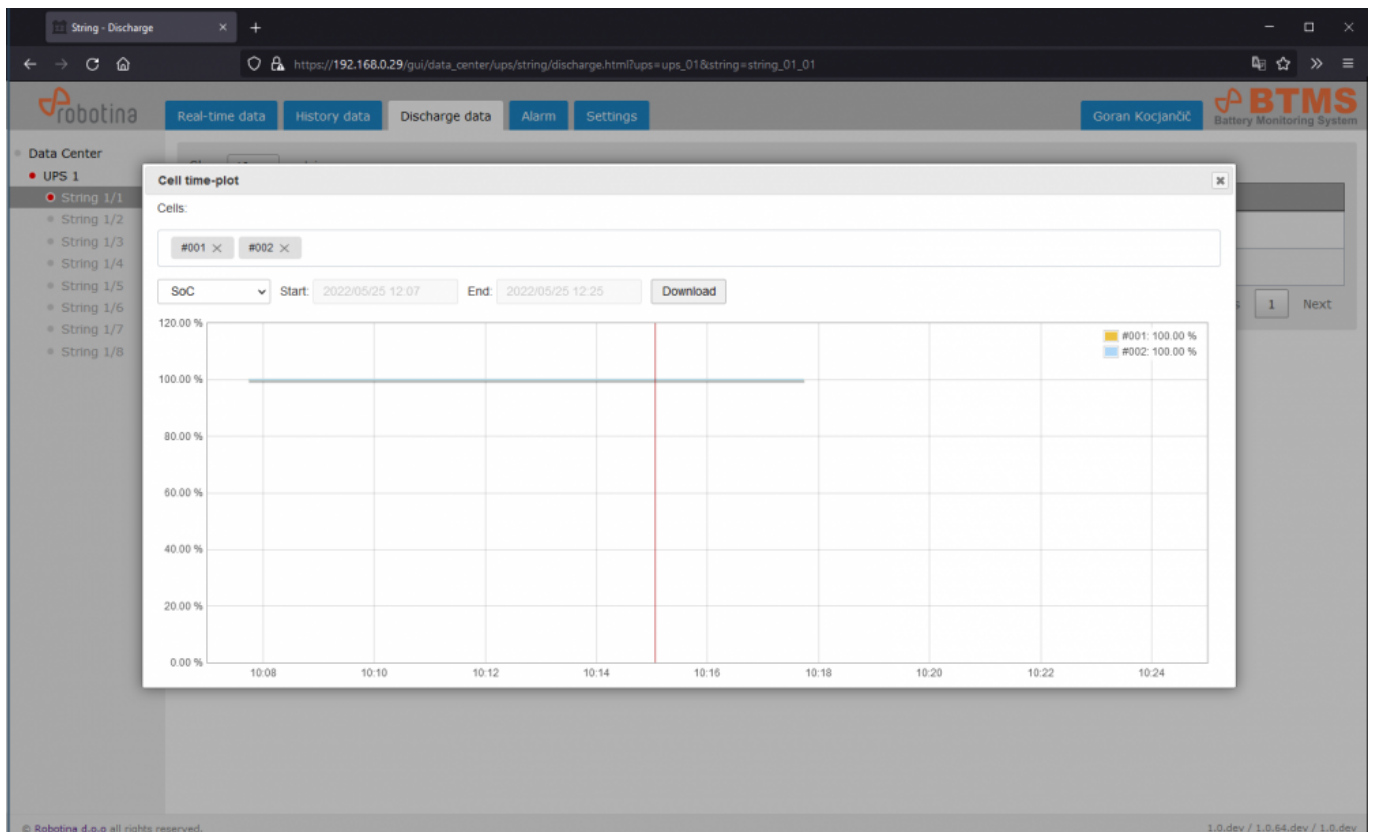
#	Start	End	Action
2	05/25/2022 16:45:36	05/26/2022 09:11:26	String time-plot Cell time-plot
1	05/25/2022 12:07:23	05/25/2022 12:25:33	String time-plot Cell time-plot

Below the table, it says 'Showing 1 to 2 of 2 entries'. There are 'Previous', '1', and 'Next' navigation buttons.

String time-plot



Cell time-plot



Alarm

The screenshot shows the 'Alarm' page in the BTMS interface. The page has a navigation bar with tabs for 'Real-time data', 'History data', 'Discharge data', 'Alarm', and 'Settings'. The 'Alarm' tab is active. The main content area displays a table of alarm events with columns for '#', 'Cell', 'From', 'To', 'Alarm', and 'Status'. The table shows 14 entries, with the first 10 visible. The status of the alarms varies, with the most recent one being 'active'.

#	Cell	From	To	Alarm	Status
14	#001	06/07/2022 14:22:20		Temperature high	active
13		06/06/2022 13:35:56	06/06/2022 13:38:24	Current low (discharging)	gone
12		06/06/2022 13:29:16	06/06/2022 13:38:24	Current high (charging)	gone
11		06/06/2022 13:14:48	06/06/2022 13:28:41	Voltage low	gone
10		06/06/2022 13:14:48	06/06/2022 13:28:41	Voltage high	gone
9		06/06/2022 13:14:48	06/06/2022 13:28:41	Current low (discharging)	gone
8		06/06/2022 13:14:48	06/06/2022 13:28:41	Current high (charging)	gone
7		06/06/2022 13:00:19	06/06/2022 13:00:51	Voltage low	gone
6		06/06/2022 12:43:25	06/06/2022 13:00:51	Voltage high	gone
5		06/06/2022 12:43:25	06/06/2022 13:00:51	Current low (discharging)	gone

Showing 1 to 10 of 14 entries

Settings

The screenshot shows the 'Alarm settings' page in the BTMS interface. The page has a navigation bar with tabs for 'Real-time data', 'History data', 'Discharge data', 'Alarm', and 'Settings'. The 'Settings' tab is active. The main content area displays a table of alarm settings with columns for the setting name, 'SMS', and 'e-mail'. The settings are organized into two sections: 'String' and 'Cell'.

	SMS	e-mail
String current charge limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
String current discharge limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
String voltage high limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
String voltage low limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
String SoC low limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hall alarm enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cell voltage high limit	<input type="checkbox"/>	<input type="checkbox"/>
Cell voltage low limit	<input type="checkbox"/>	<input type="checkbox"/>
Cell resistance high limit	<input type="checkbox"/>	<input type="checkbox"/>
Cell SoC low limit	<input type="checkbox"/>	<input type="checkbox"/>
Cell SoH low limit	<input type="checkbox"/>	<input type="checkbox"/>
Cell temperature high limit	<input type="checkbox"/>	<input type="checkbox"/>

Enable for which alarm SMS / e-mail will be sent.