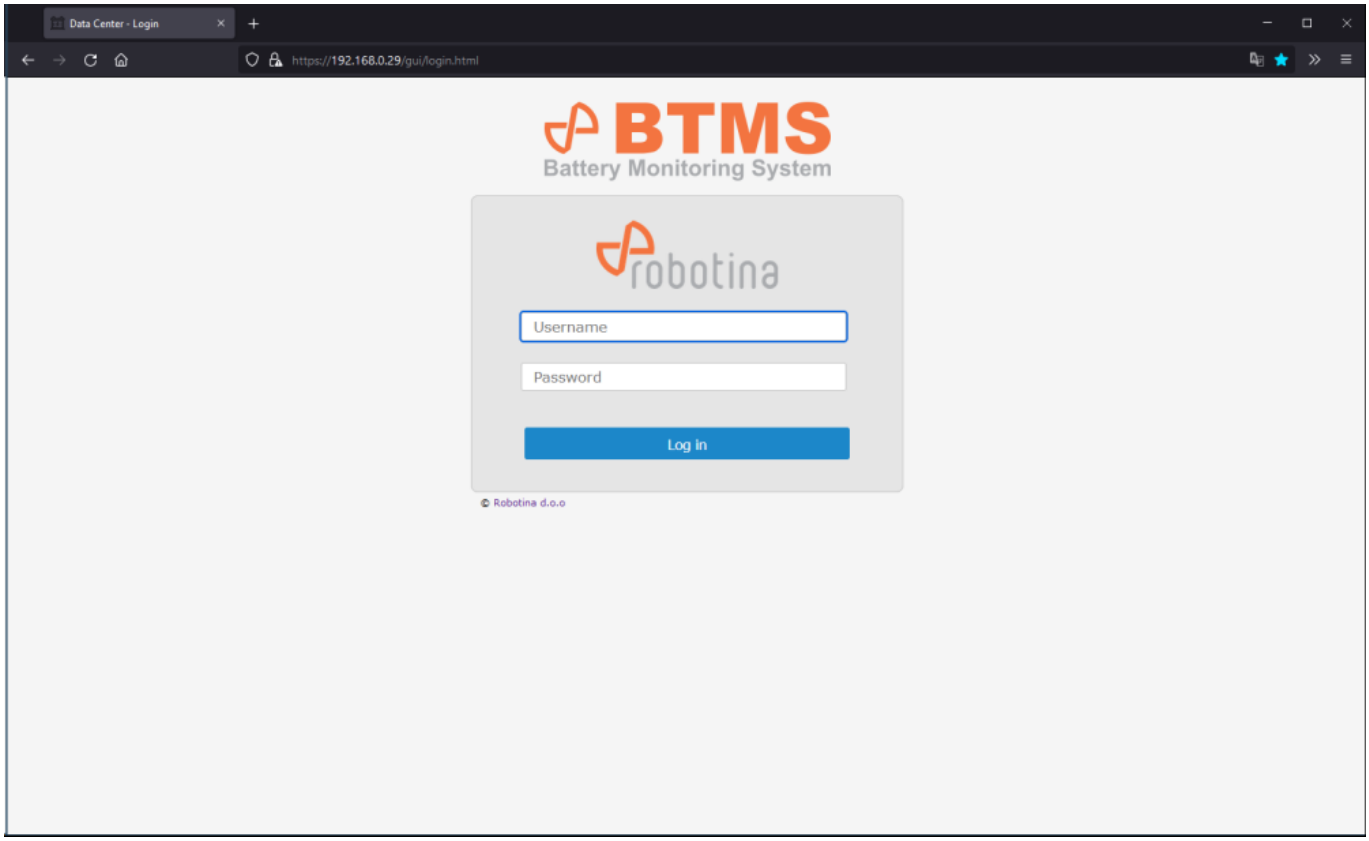
1. BM-GW WEB UI

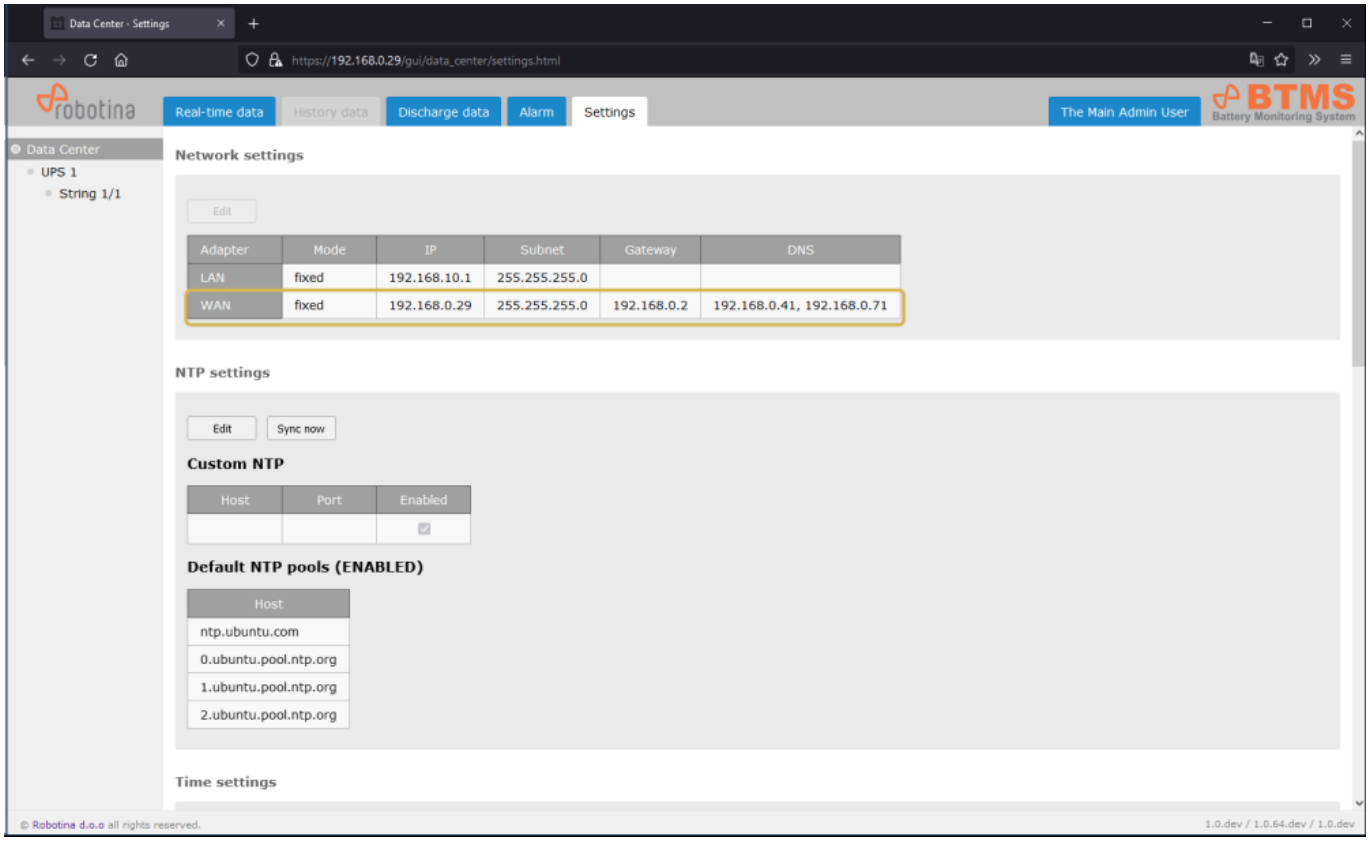
- Demo: BTMS BM-GW WEB UI demo
- User: demo
- Pass: demo

1.1. Log-in



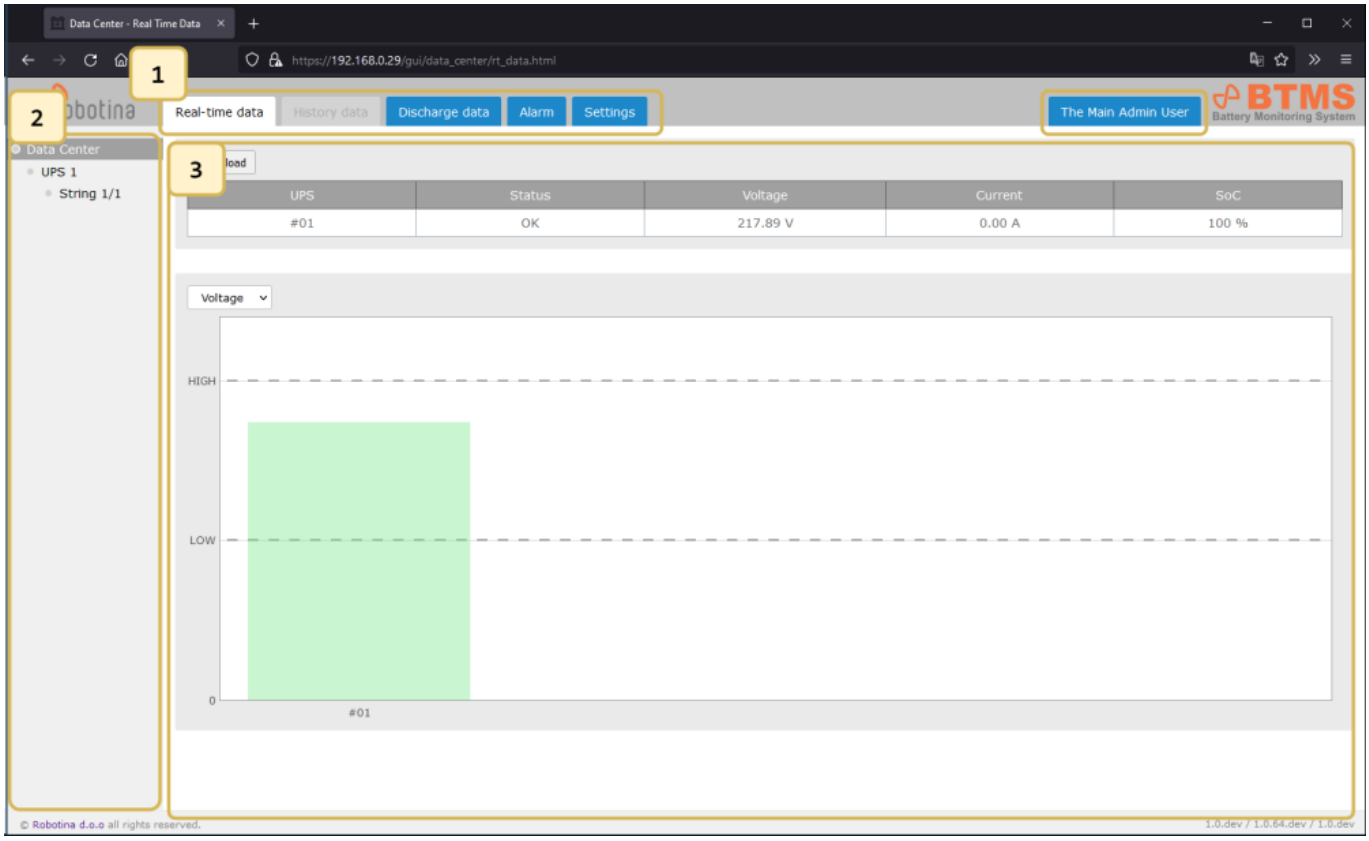
1st time log in:

- 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

1.2. General description

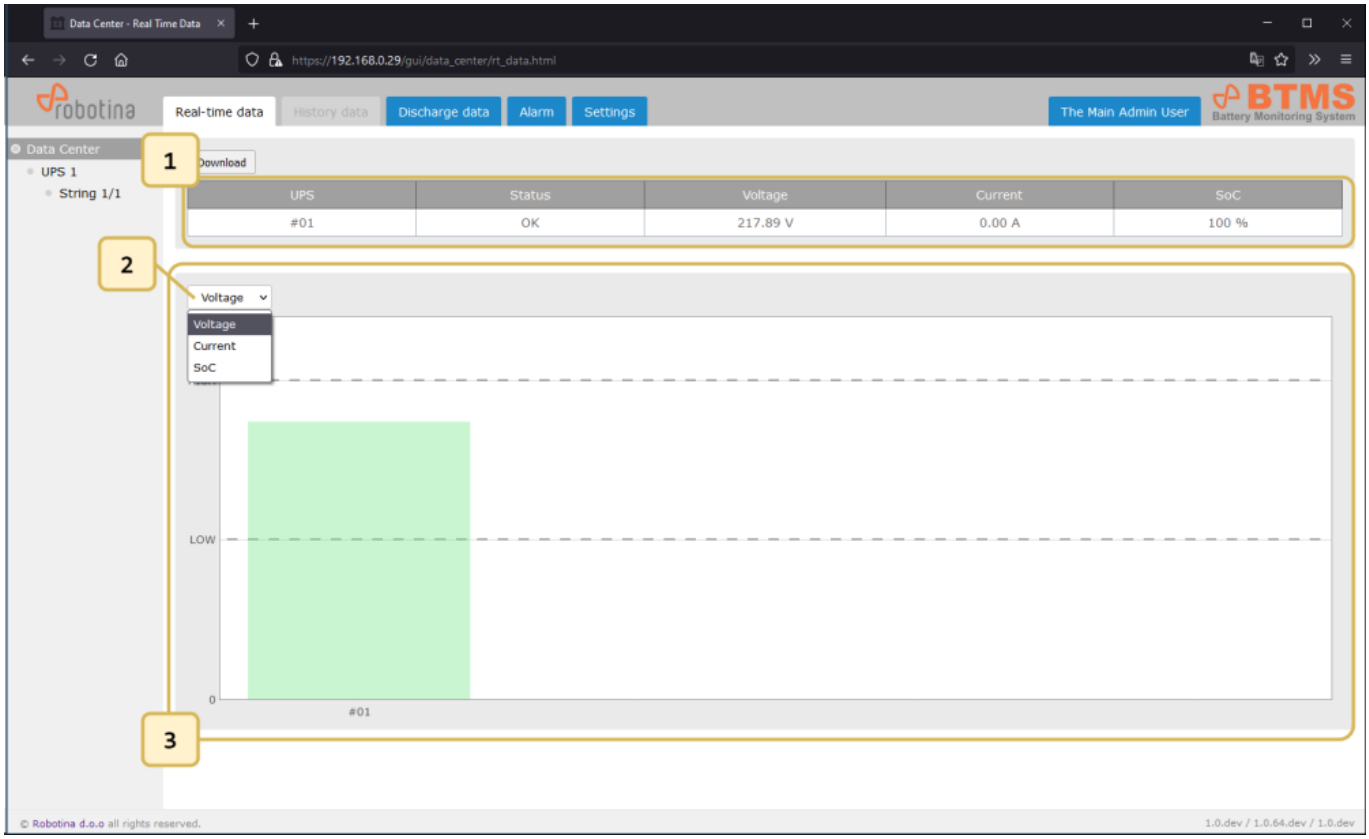


1	Pages tabs

2	Data center tree structure
3	Page data

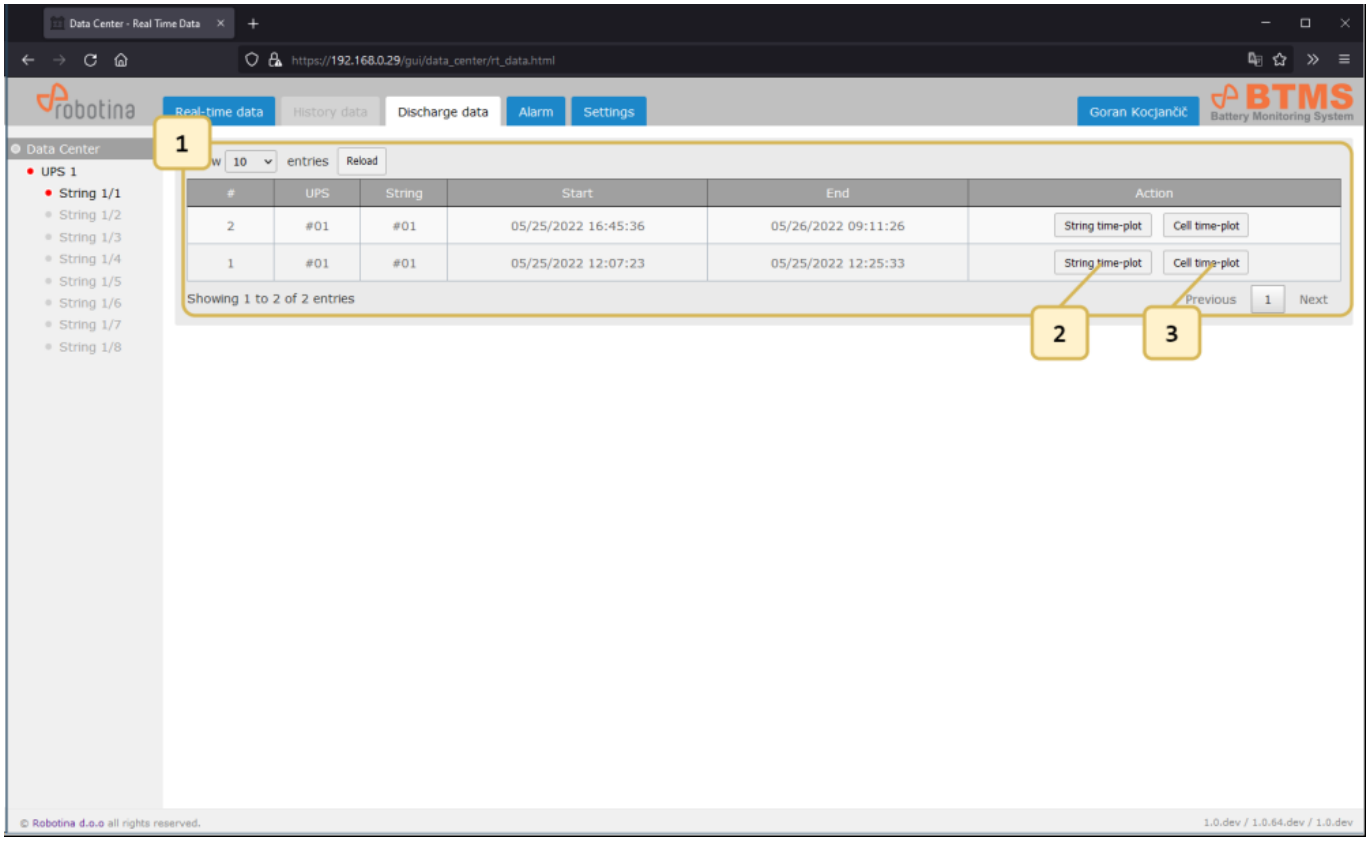
1.3. Data center

1.3.1. Real-time data



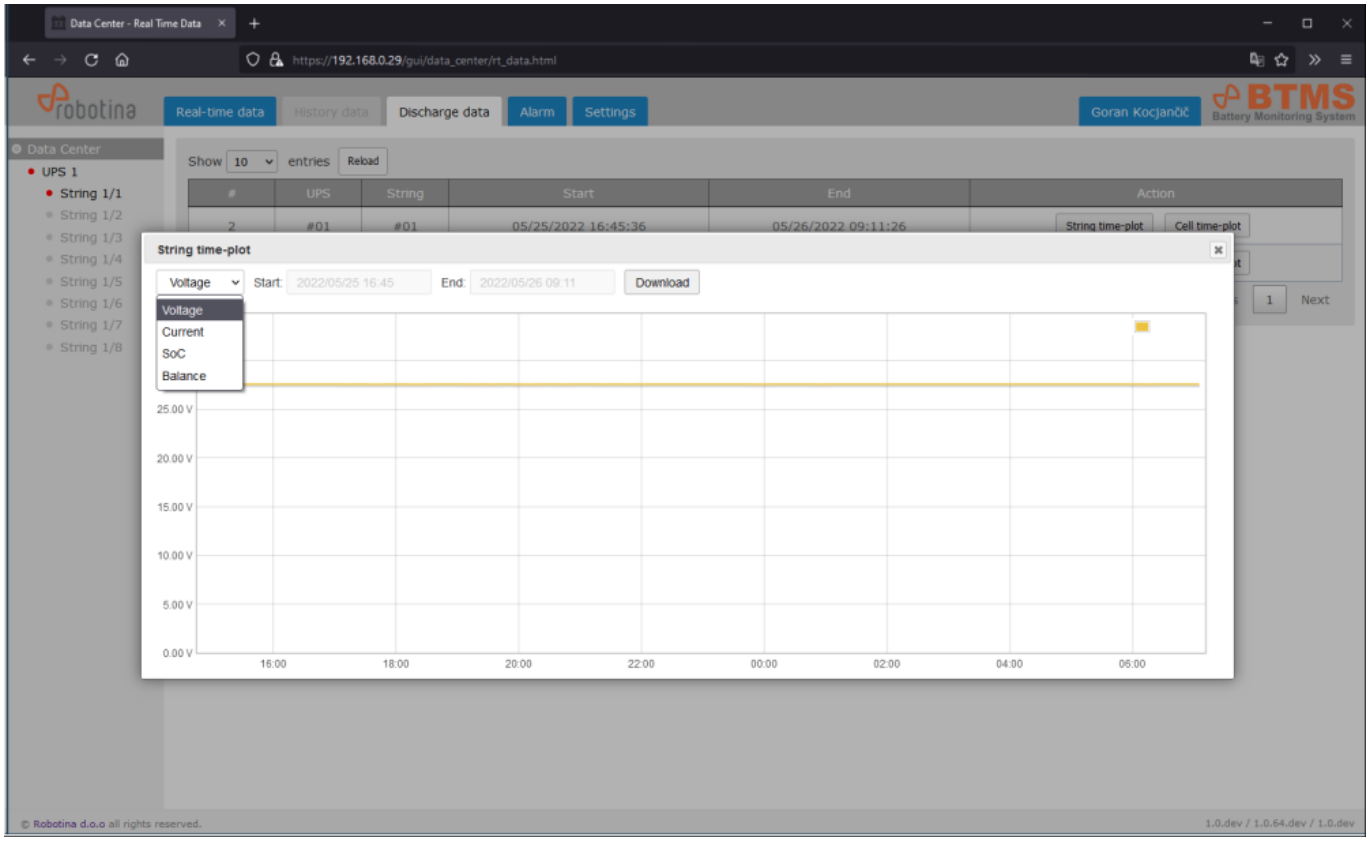
1	Tabular display of data for the Data Center
2	Select a parameter for the graphic display
3	Graphic bar-graph data display for the data center

1.3.2. Discharge data

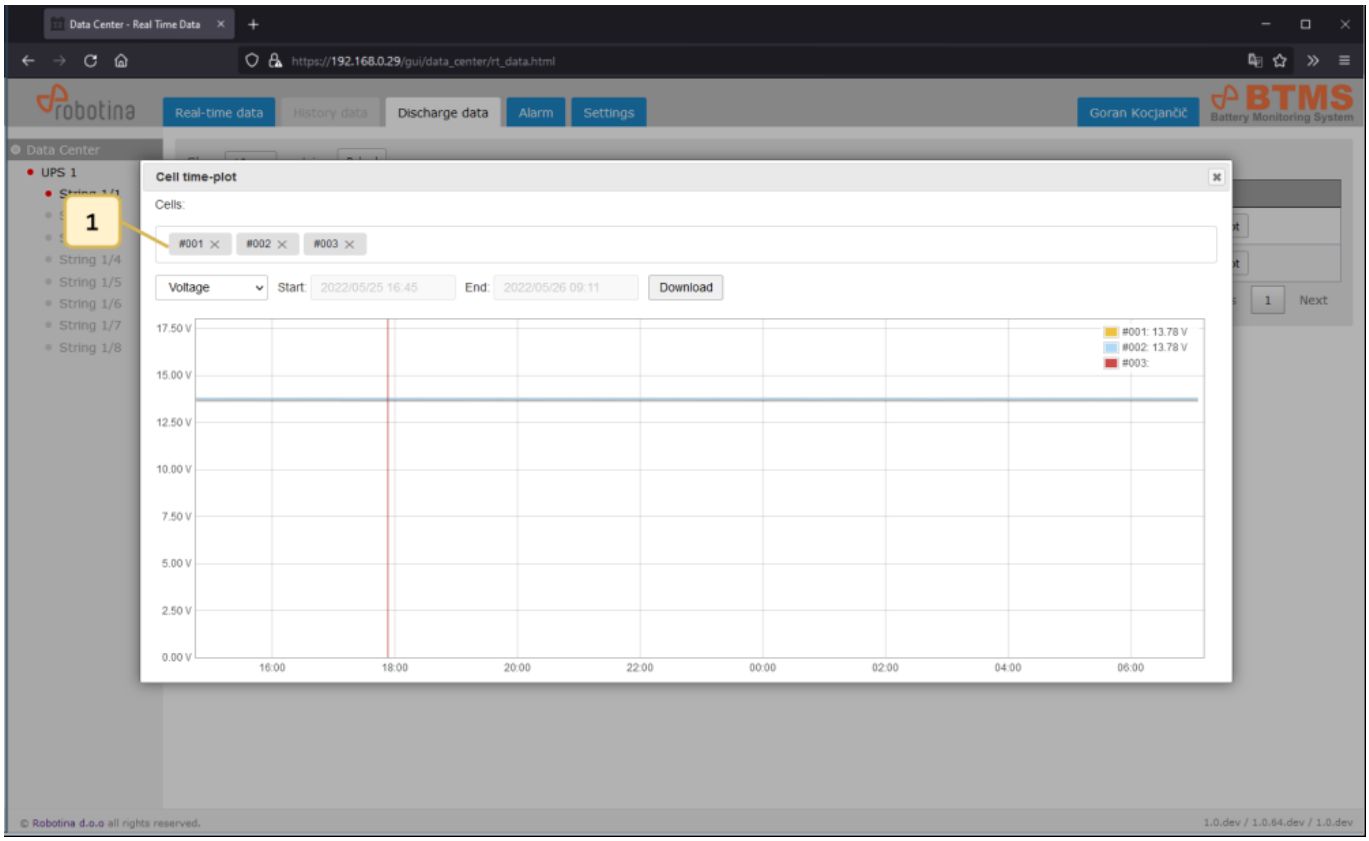


1	Discharge events table
2	String time-plot for discharge event
3	Cell time-plot for discharge event

1.3.2.1. String time-plot for discharge event

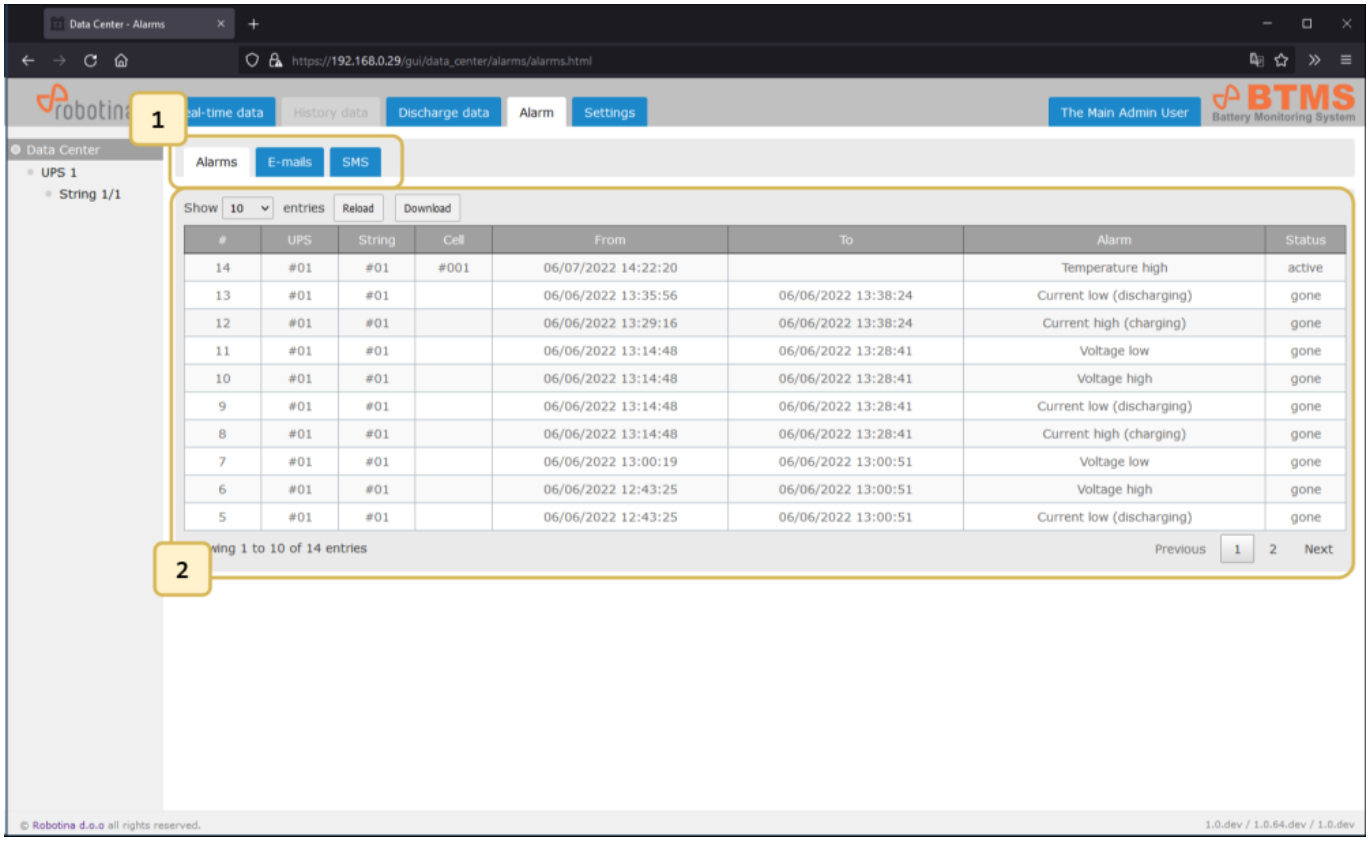


1.3.2.2. Cell time-plot for discharge event



1	Cell selection

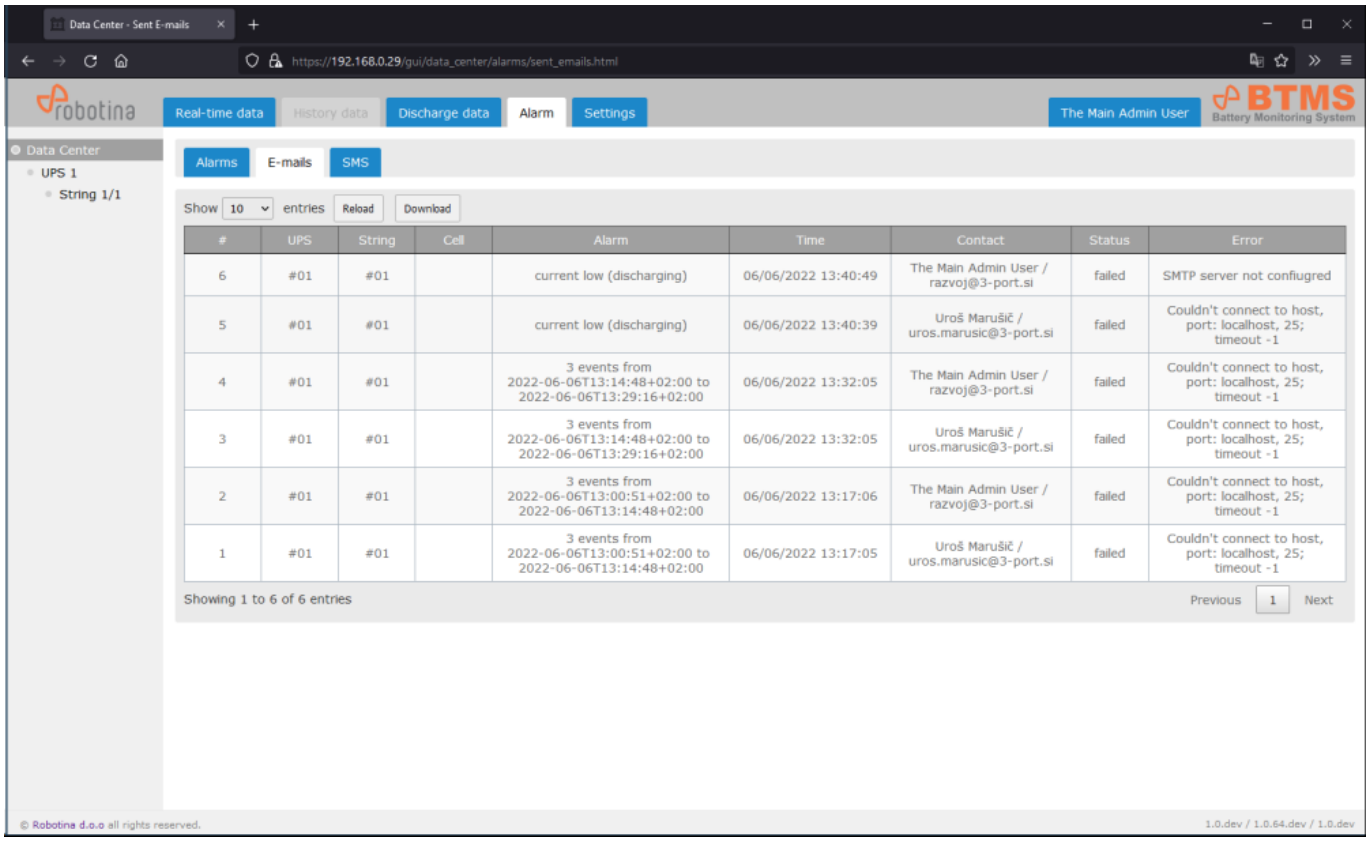
1.3.3. Alarm



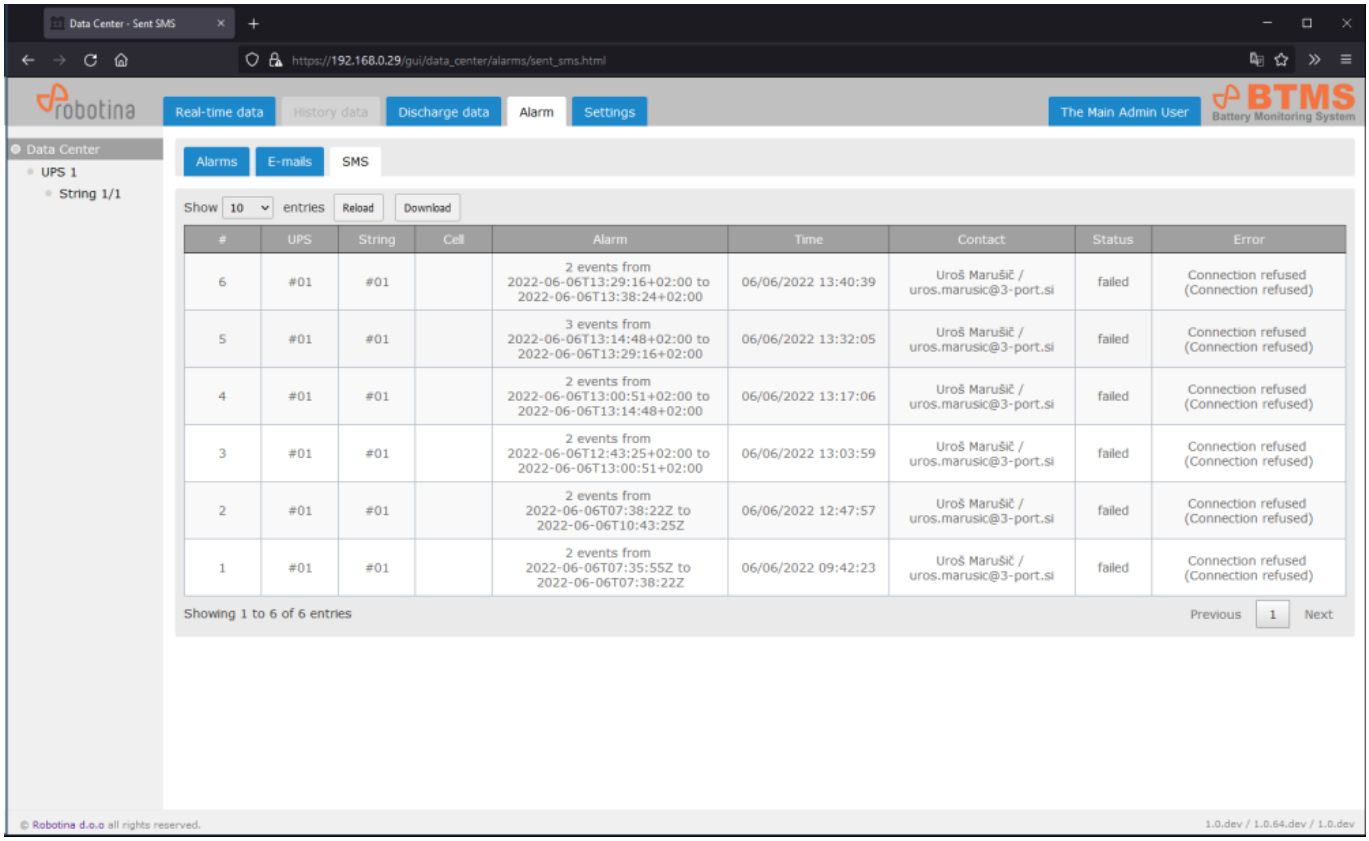
#	UPS	String	Cell	From	To	Alarm	Status
14	#01	#01	#001	06/07/2022 14:22:20		Temperature high	active
13	#01	#01		06/06/2022 13:35:56	06/06/2022 13:38:24	Current low (discharging)	gone
12	#01	#01		06/06/2022 13:29:16	06/06/2022 13:38:24	Current high (charging)	gone
11	#01	#01		06/06/2022 13:14:48	06/06/2022 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

1.3.3.1. E-mails

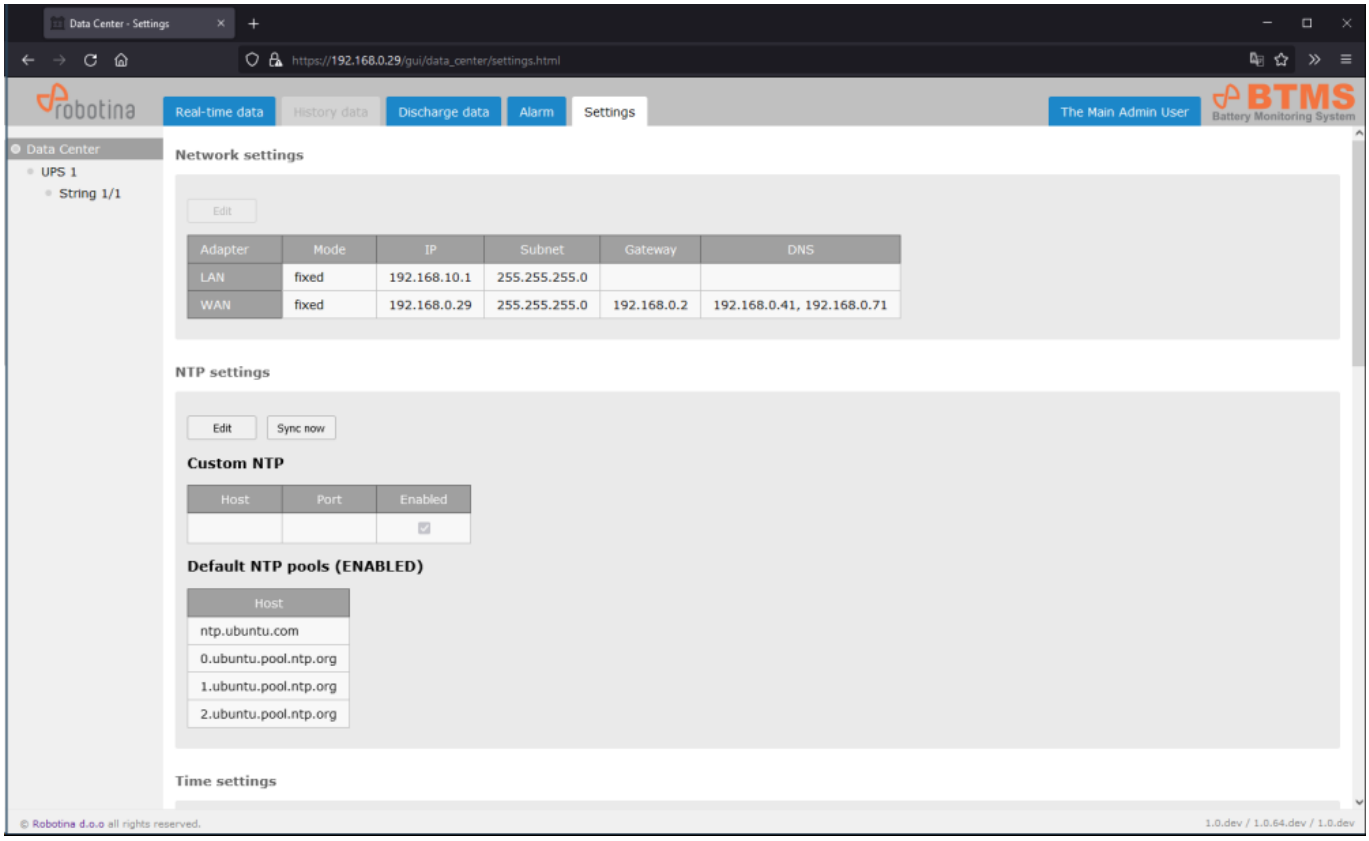


1.3.3.2. SMS

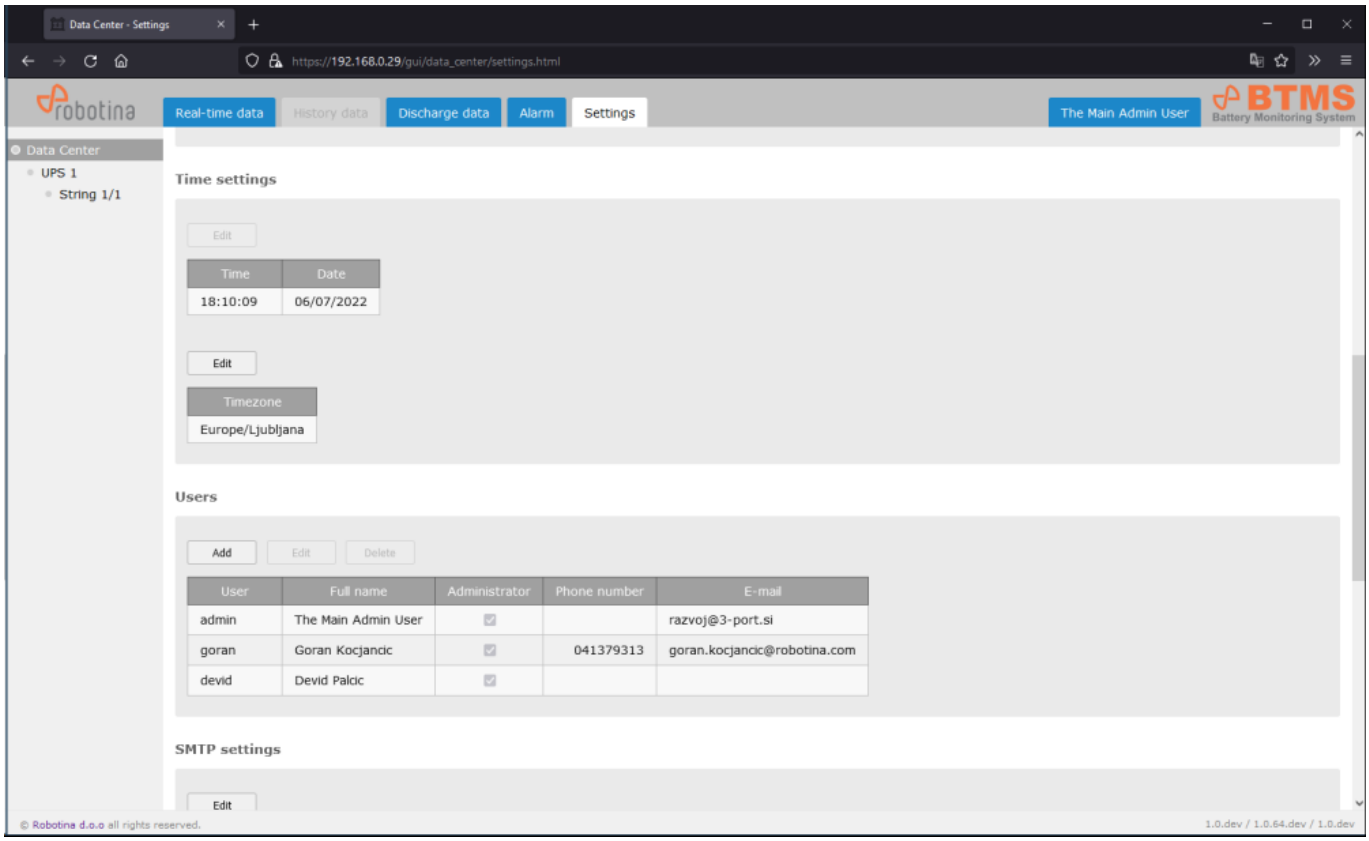


1.3.4. Settings

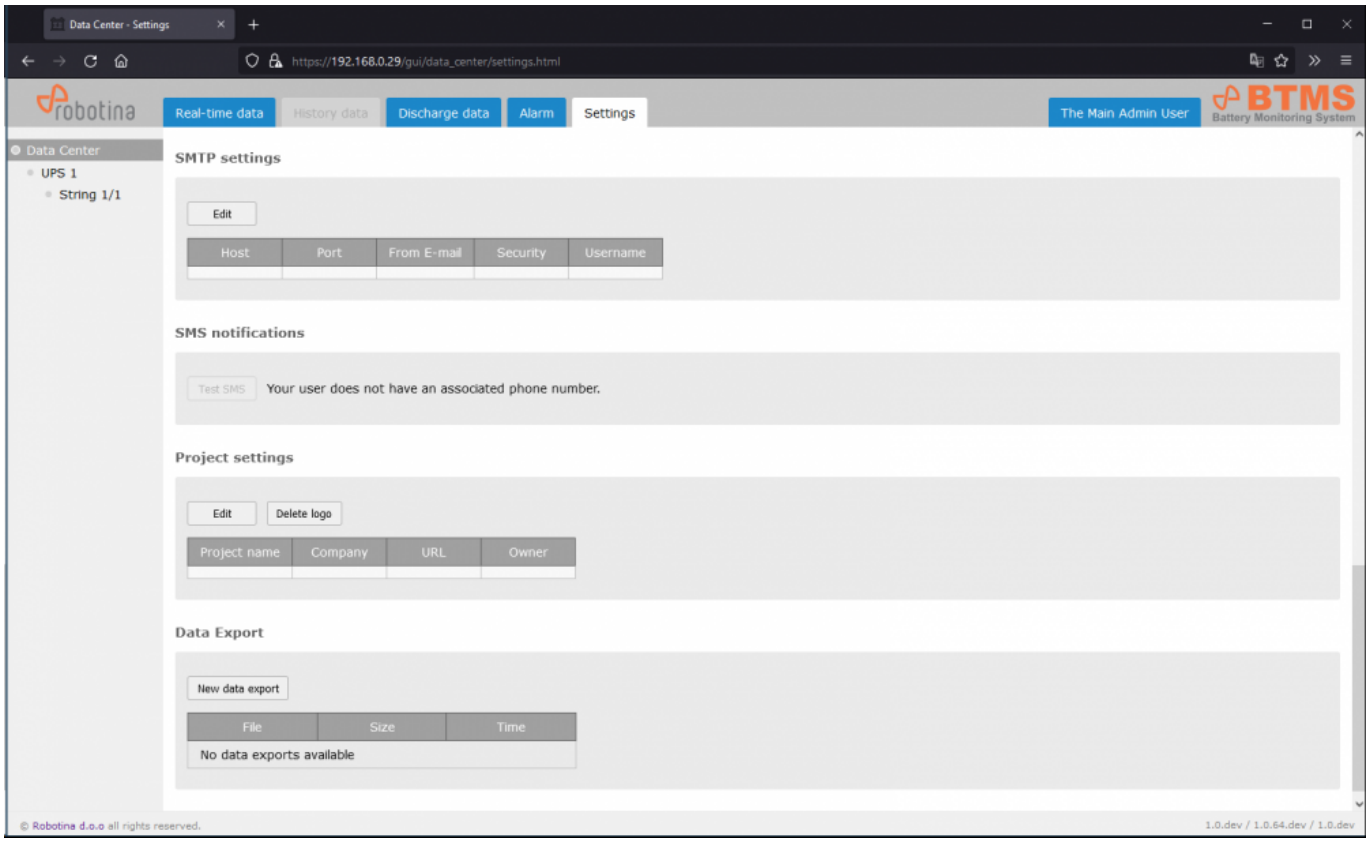
1.3.4.1. Network settings, NTP settings



1.3.4.2. Time settings, Users

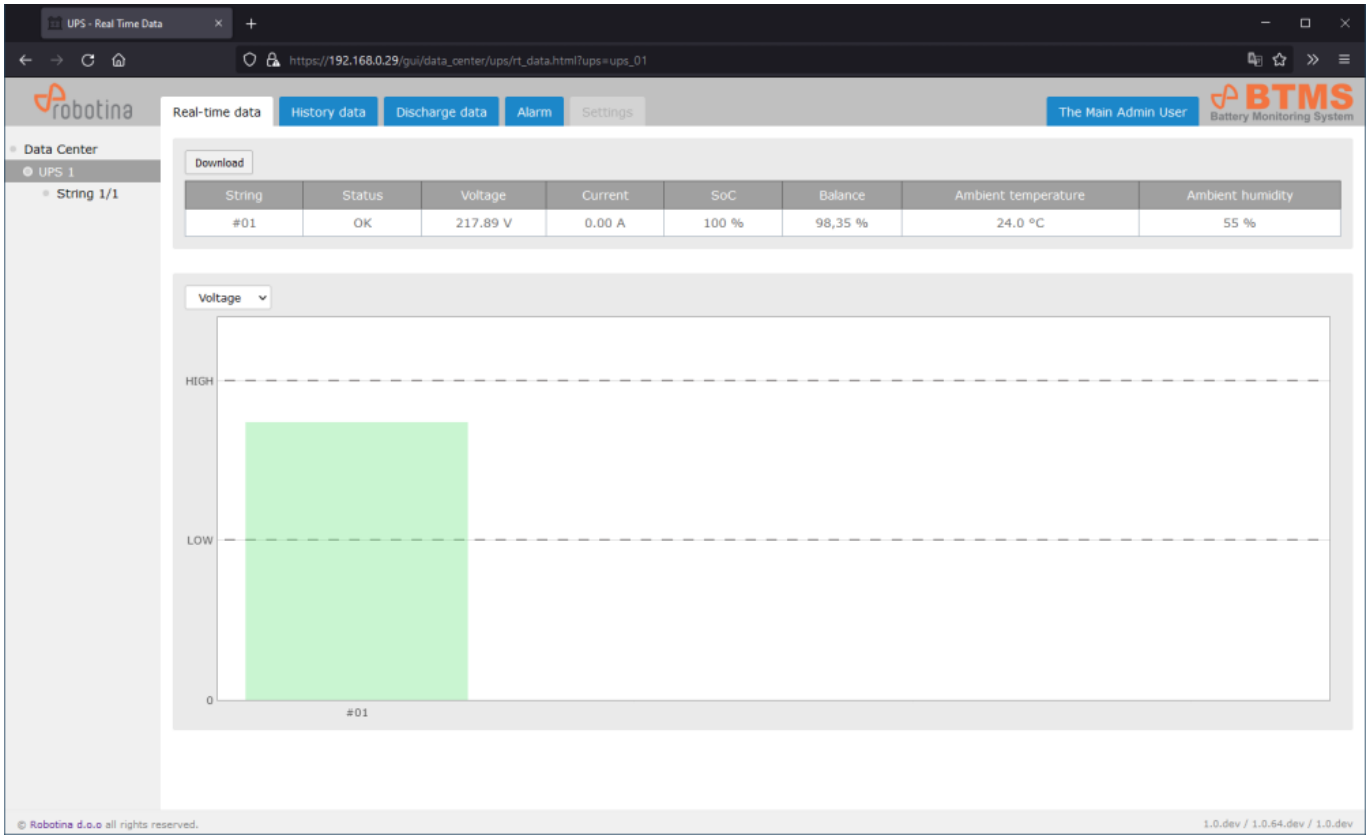


1.3.4.3. SNMP settings, SMS notifications, Project settings, Data export

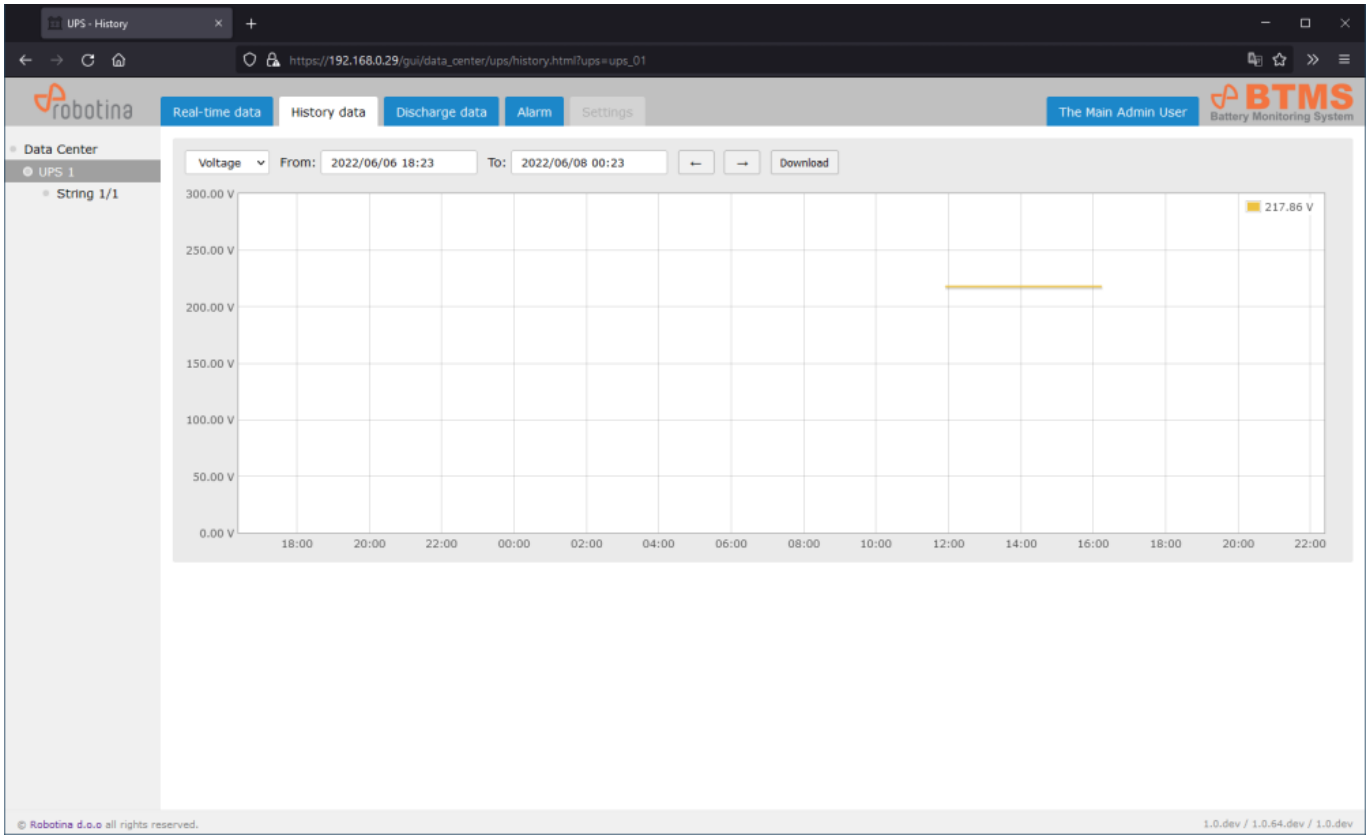


1.4. UPS

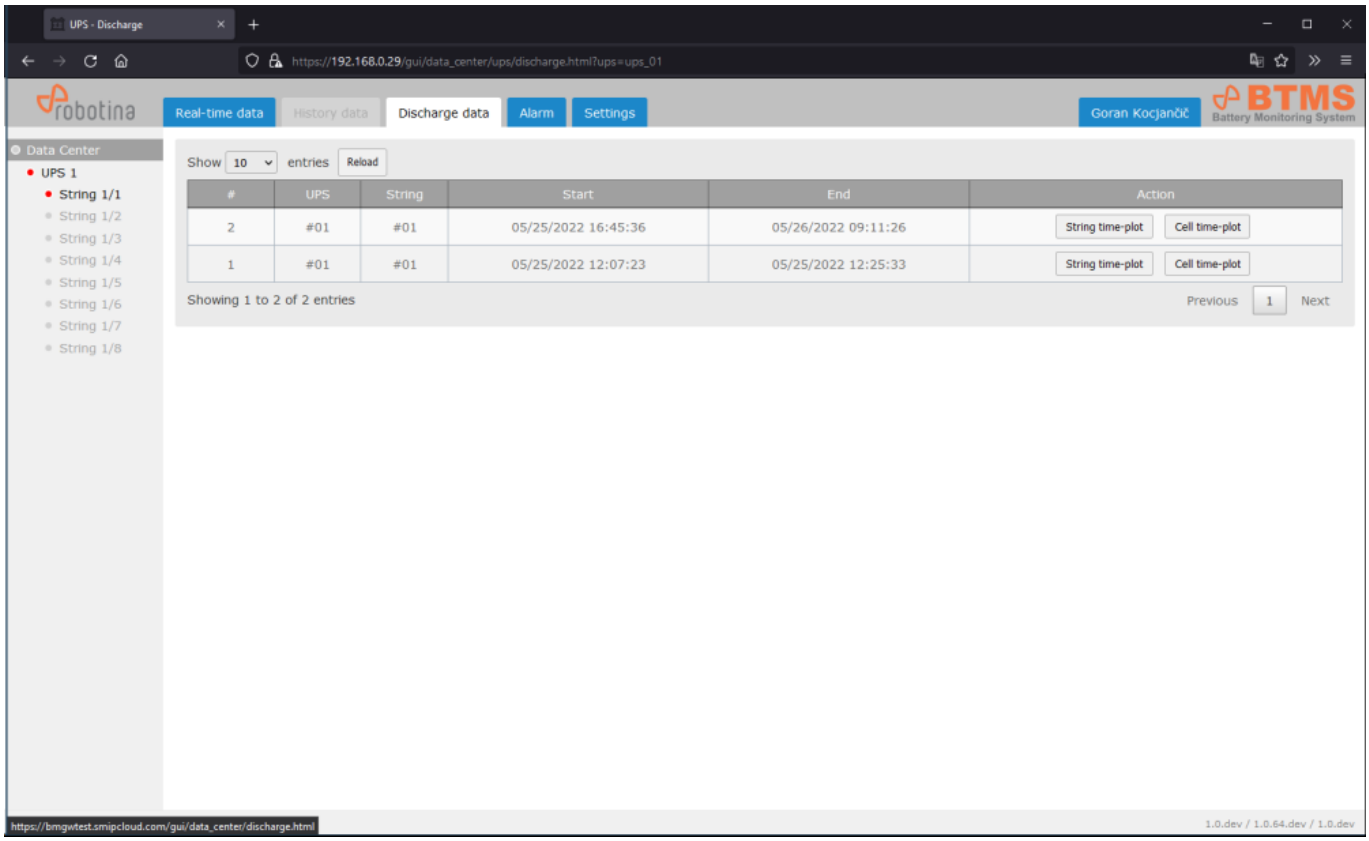
1.4.1. Real-time data



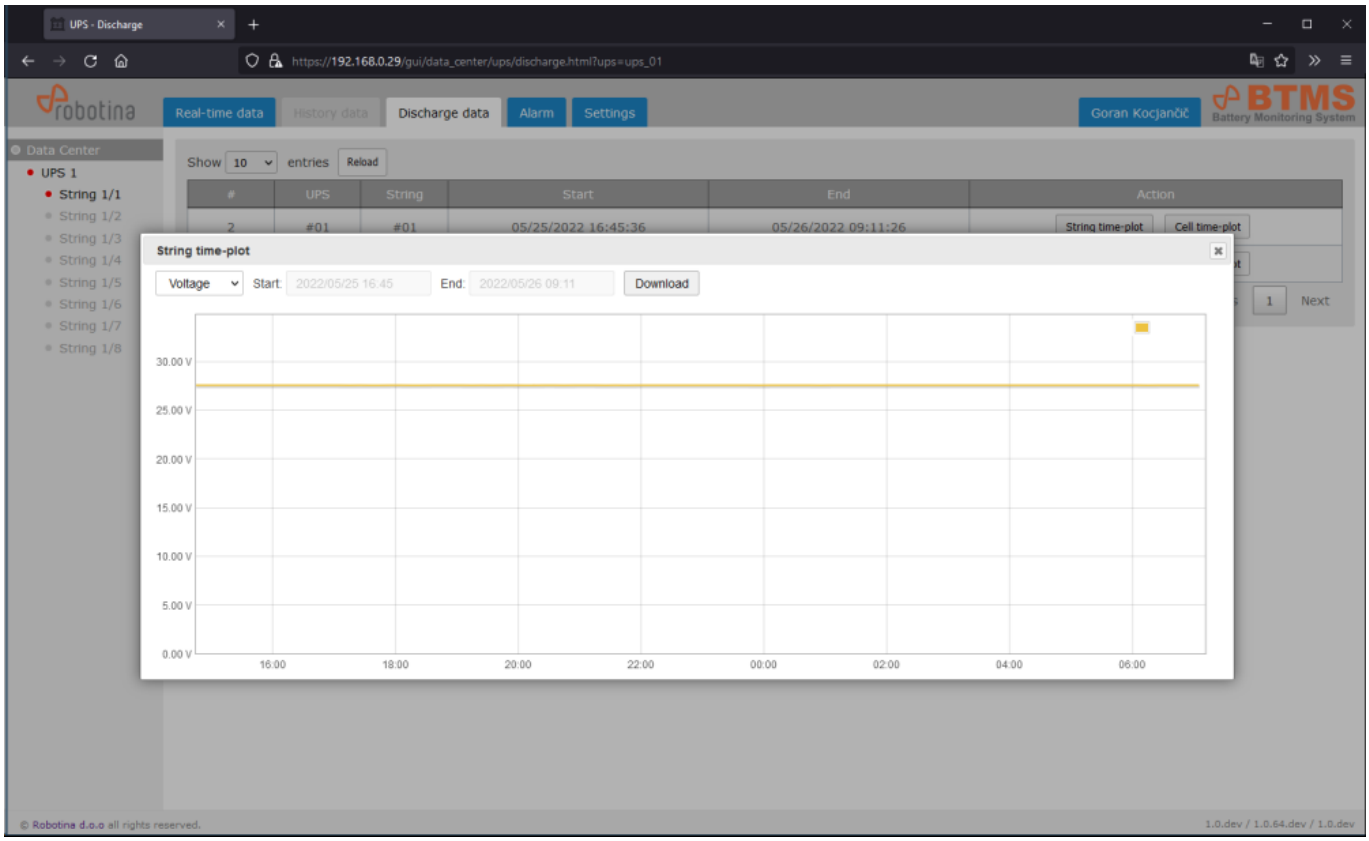
1.4.2. History data



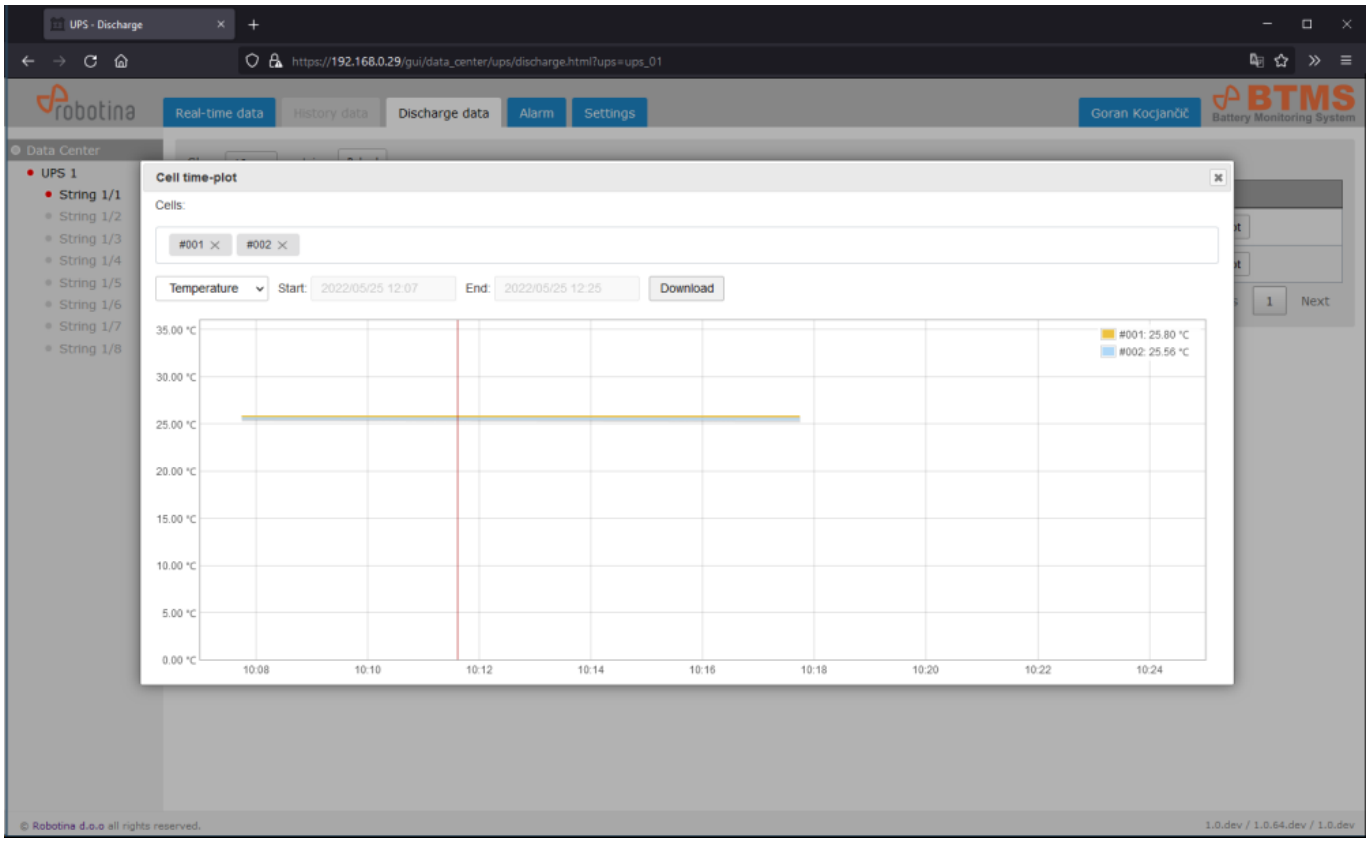
1.4.3. Discharge data



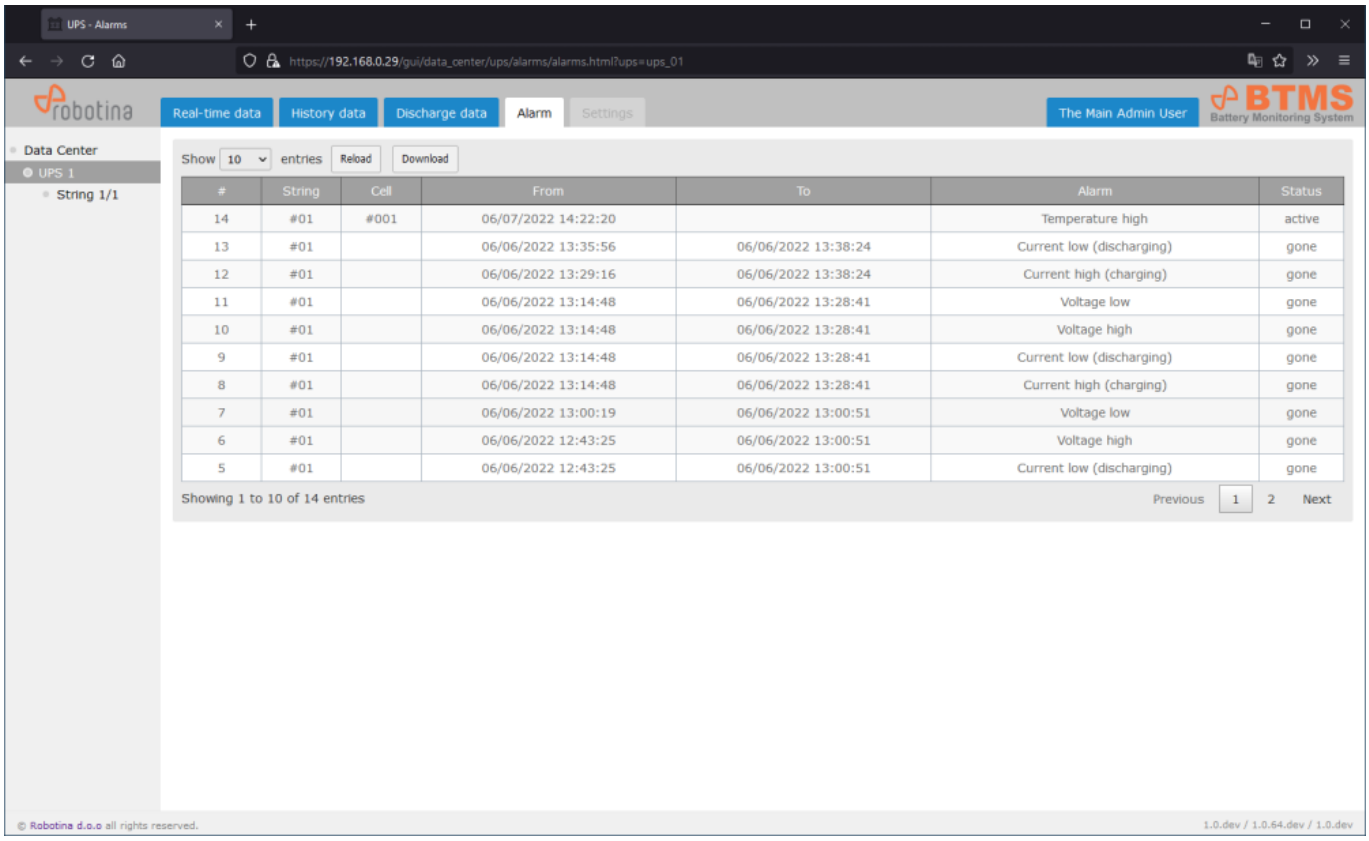
1.4.3.1. String time-plot



1.4.3.2. Cell time-plot



1.4.4. Alarm

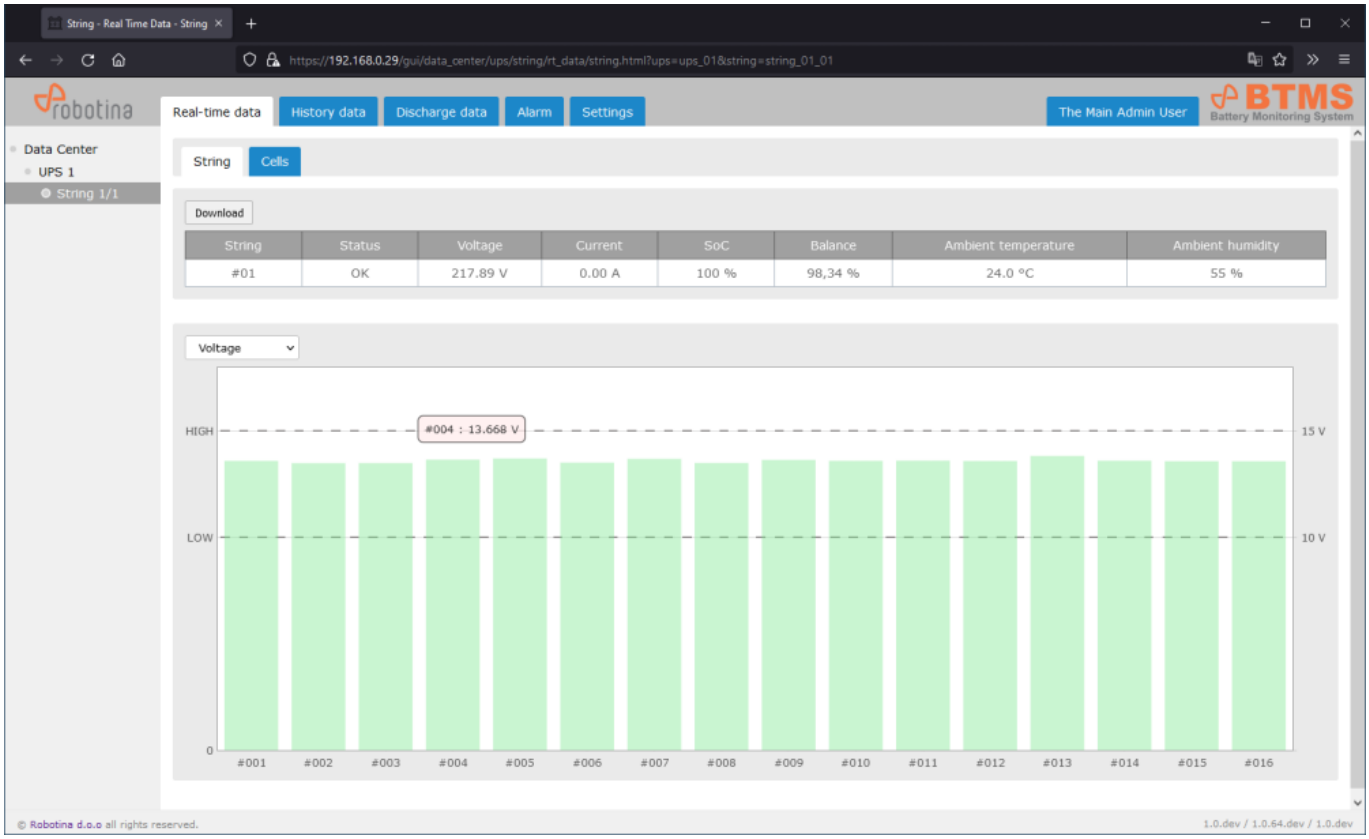


#	String	Cell	From	To	Alarm	Status
14	#01	#001	06/07/2022 14:22:20		Temperature high	active
13	#01		06/06/2022 13:35:56	06/06/2022 13:38:24	Current low (discharging)	gone
12	#01		06/06/2022 13:29:16	06/06/2022 13:38:24	Current high (charging)	gone
11	#01		06/06/2022 13:14:48	06/06/2022 13:28:41	Voltage 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

1.5. String

1.5.1. Real-time data

1.5.1.1. String


String - Real Time Data - String
https://192.168.0.29/gui/data_center/ups/string/rt_data/string.html?ups=ups_01&string=string_01_01
robotina
Real-time data
History data
Discharge data
Alarm
Settings
The Main Admin User
BTMS
Battery Monitoring System
Data Center
UPS 1
String 1/1
String
Cells
Download
String | Status | Voltage | Current | SoC | Balance | Ambient temperature | Ambient humidity
#01 | OK | 217.89 V | 0.00 A | 100 % | 98,34 % | 24.0 °C | 55 %
Voltage
HIGH
LOW
#004 : 13.668 V
15 V
10 V
0
#001 #002 #003 #004 #005 #006 #007 #008 #009 #010 #011 #012 #013 #014 #015 #016
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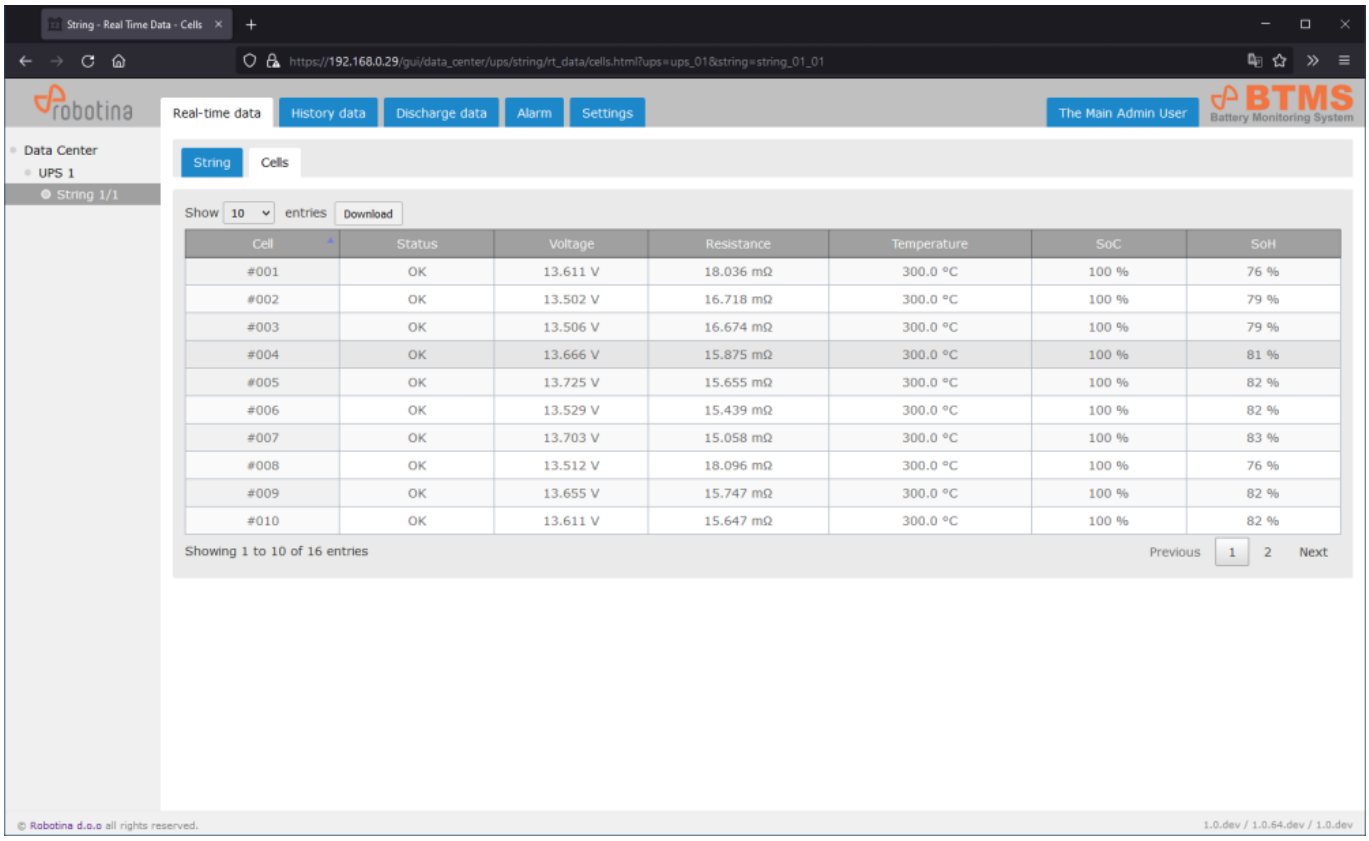
1.0.dev / 1.0.64.dev / 1.0.dev

1.5.1.2. Cells


String - Real Time Data - Cells
https://192.168.0.29/gui/data_center/ups/string/rt_data/cells.html?ups=ups_01&string=string_01_01
robotina
Real-time data
History data
Discharge data
Alarm
Settings
The Main Admin User
BTMS
Battery Monitoring System
Data Center
UPS 1
String 1/1
String
Cells
Show 10 entries
Download
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
Previous 1 2 Next
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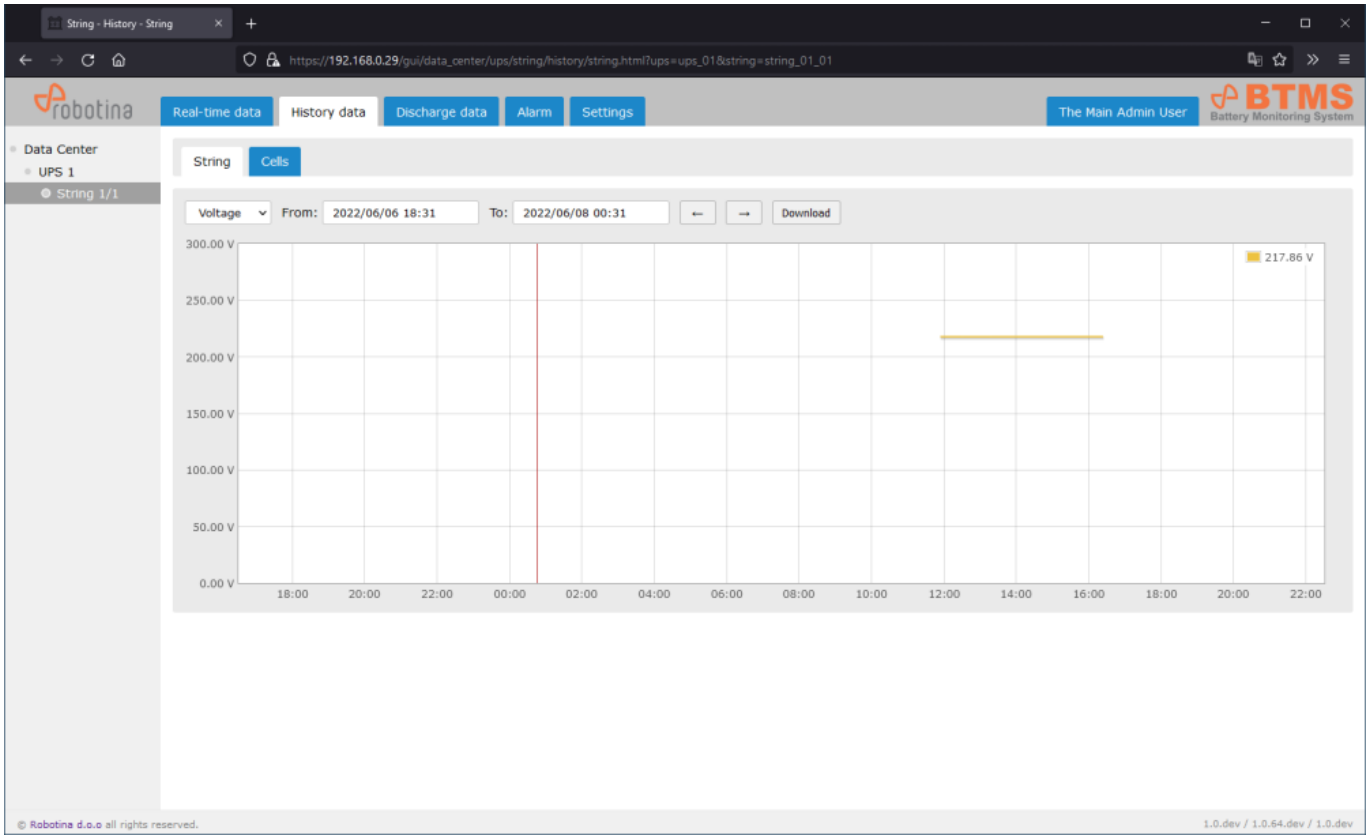
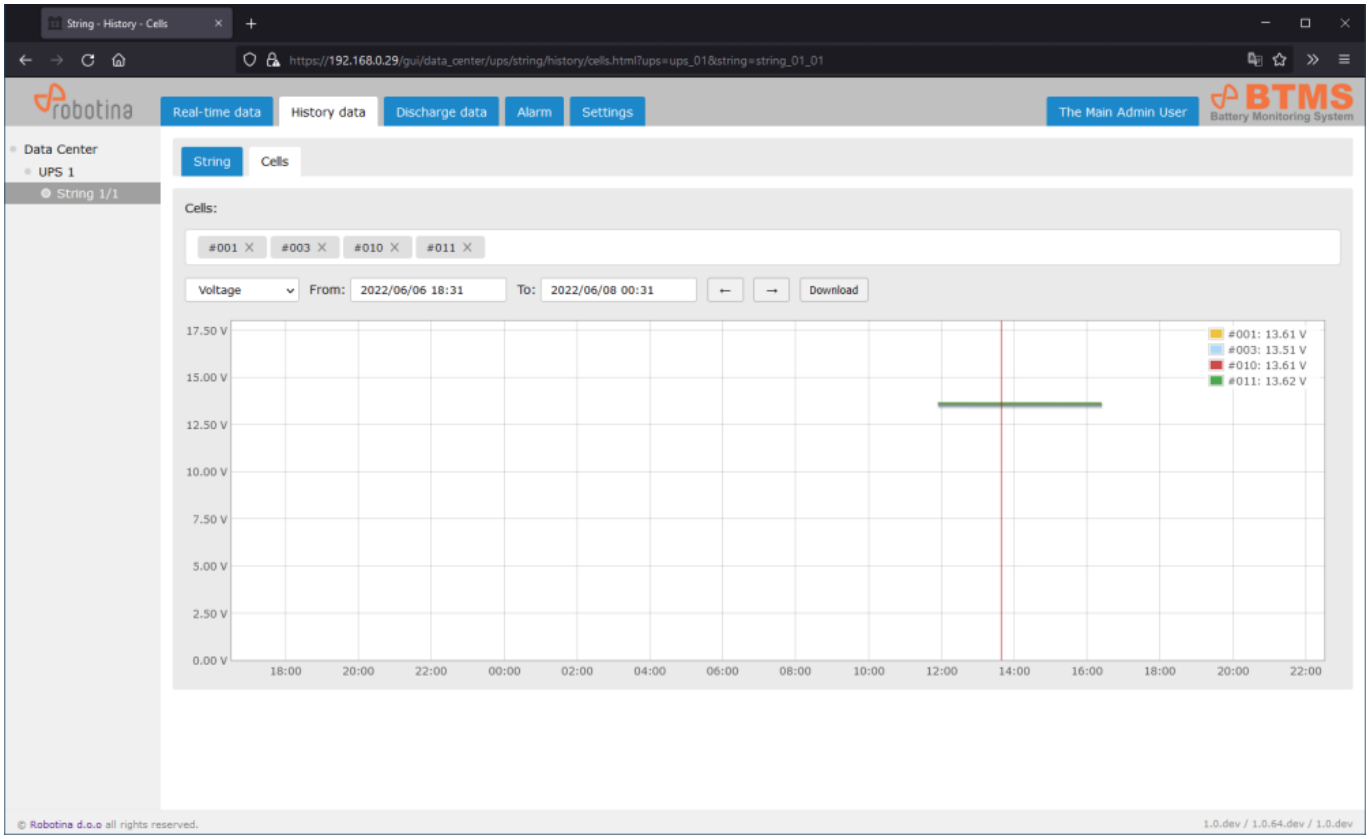
1.0.dev / 1.0.64.dev / 1.0.dev

1.5.2. History data

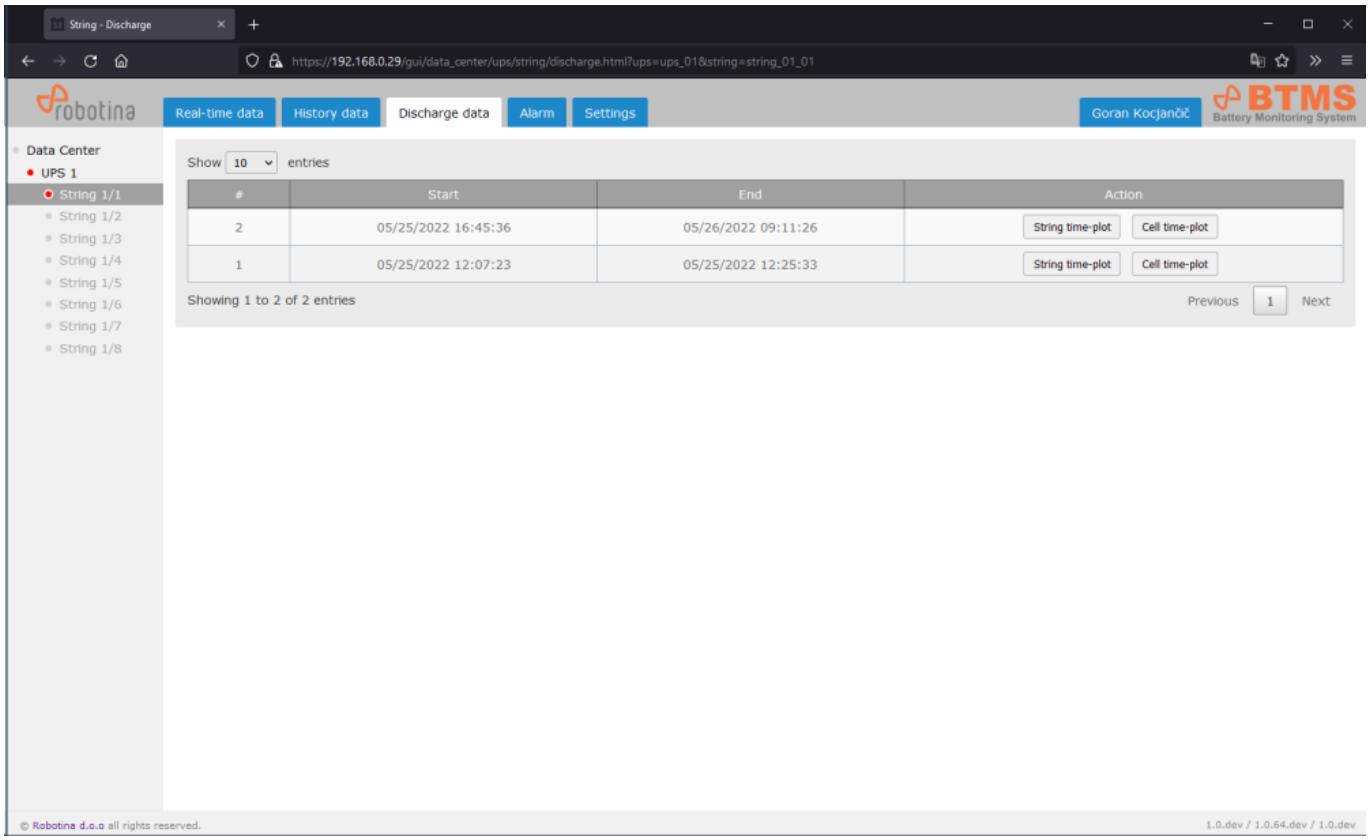
1.5.2.1. String



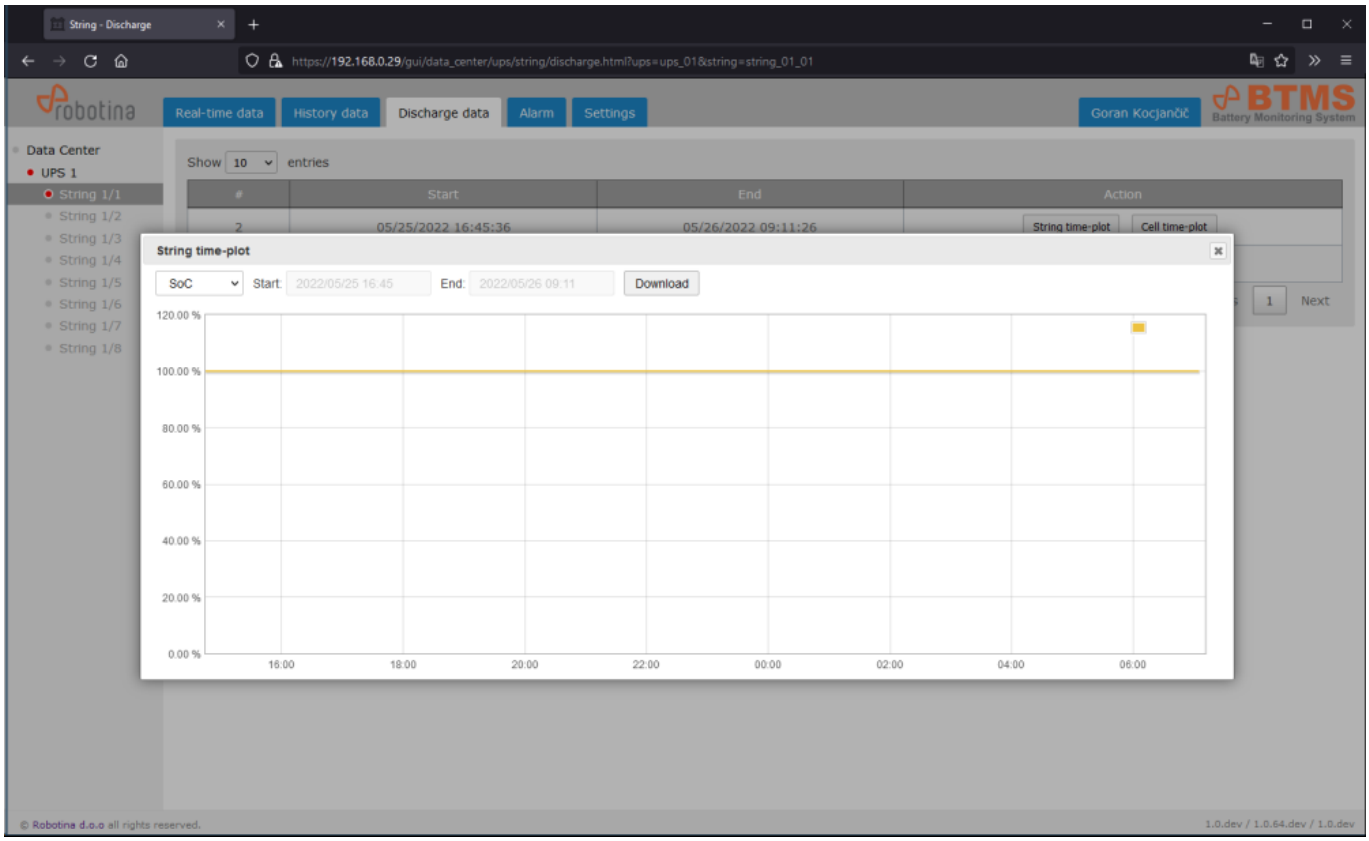
1.5.2.2. Cells



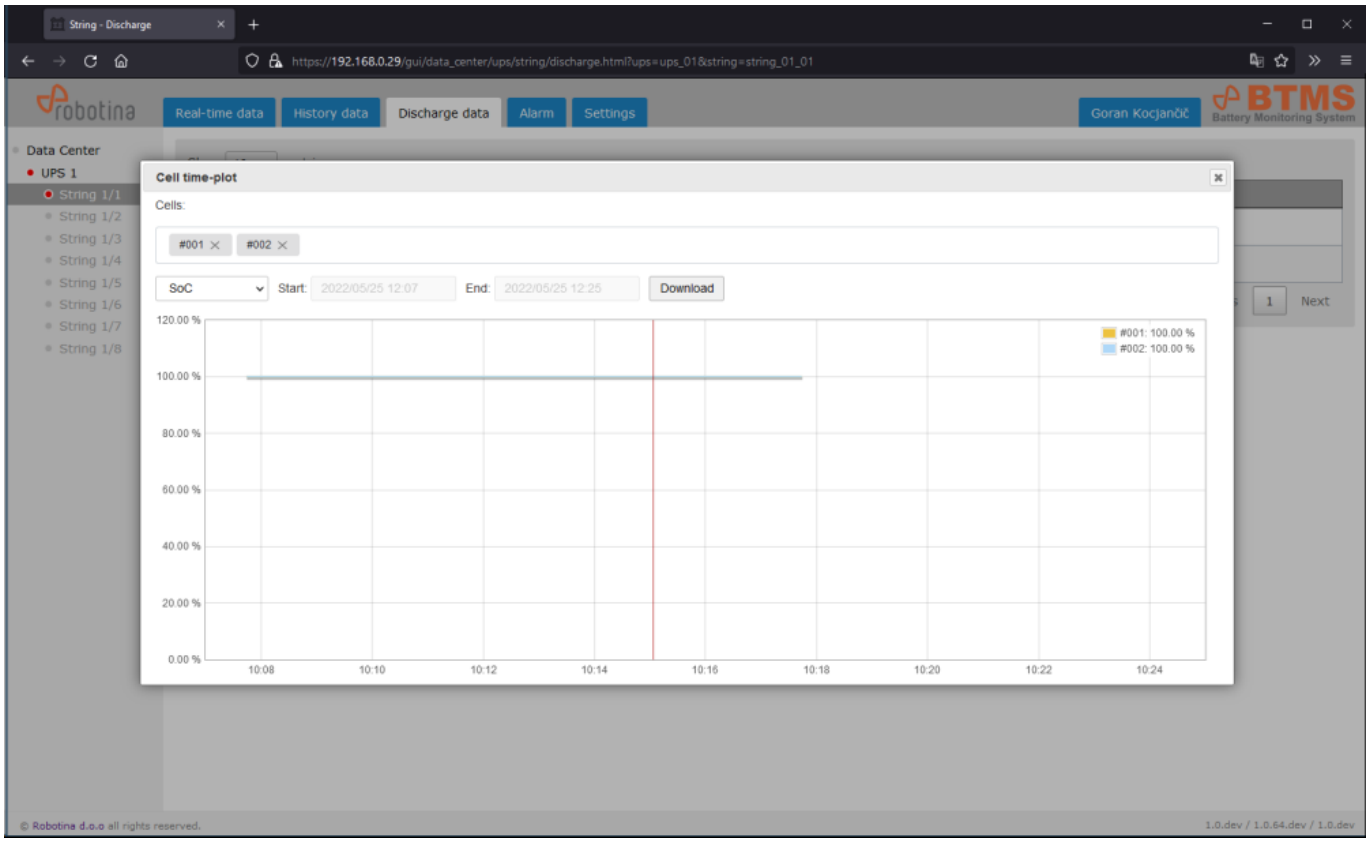
1.5.3. Discharge data



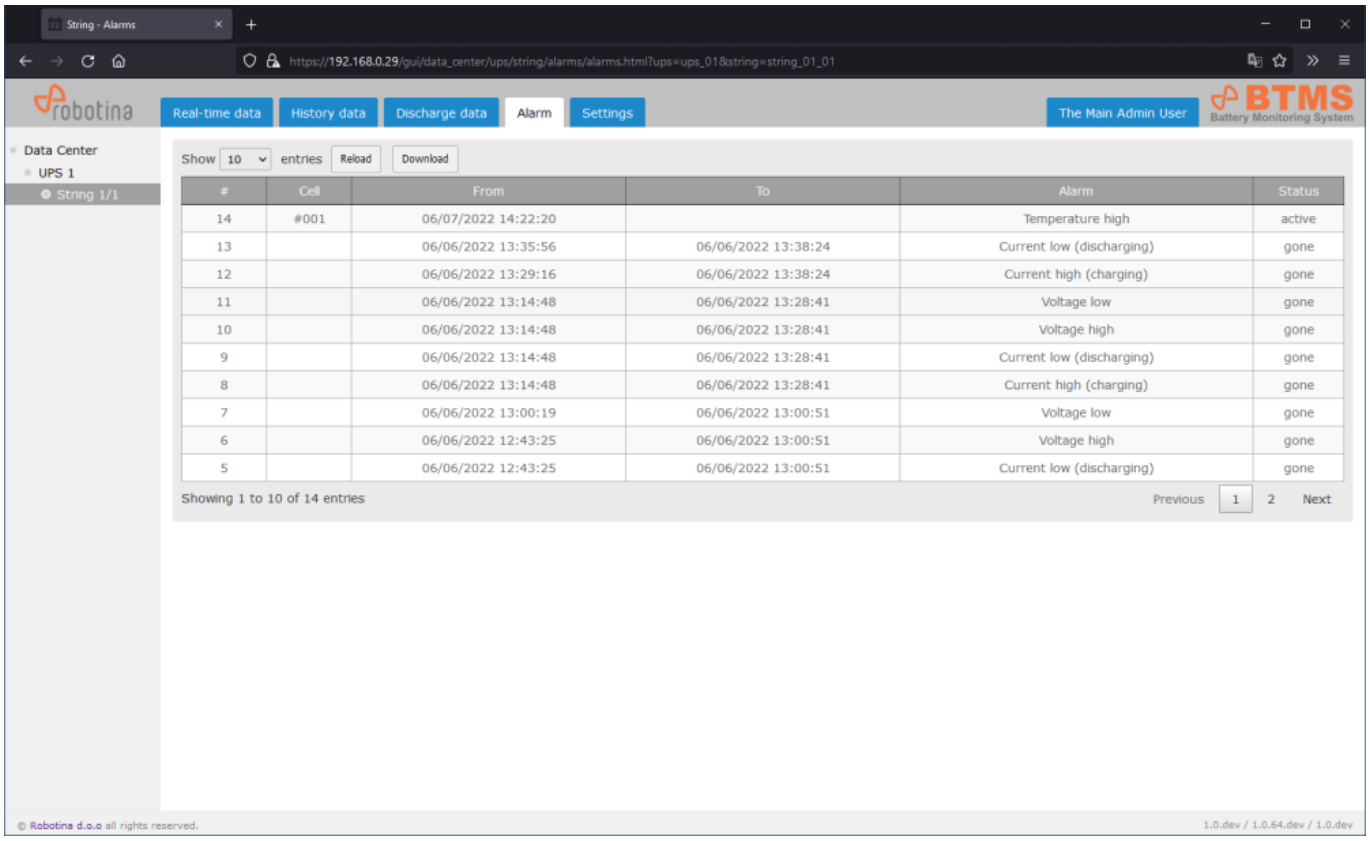
1.5.3.1. String time-plot



1.5.3.2. Cell time-plot



1.5.4. Alarm



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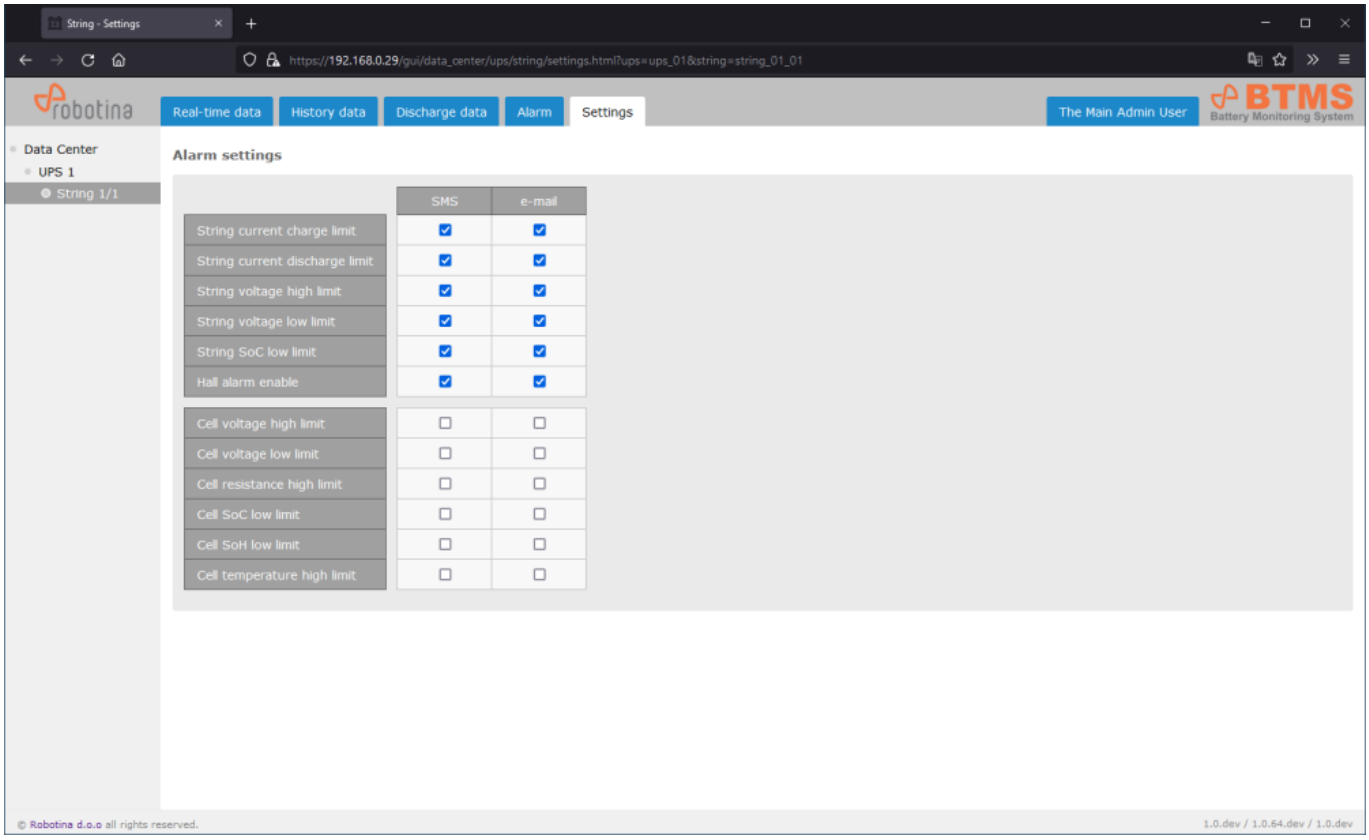
9		06/06/2022 13:14:48	06/06/2022 13:28:41	Current low (discharging)	gone
8		06/06/2022 13:14:48	06/06/2022 13:28:41	Current high (charging)	gone
7		06/06/2022 13:00:19	06/06/2022 13:00:51	Voltage low	gone
6		06/06/2022 12:43:25	06/06/2022 13:00:51	Voltage high	gone
5		06/06/2022 12:43:25	06/06/2022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

1.5.5. Settings



	SMS	e-mail
String current charge limit	☑	☑
String current discharge limit	☑	☑
String voltage high limit	☑	☑
String voltage low limit	☑	☑
String SoC low limit	☑	☑
Hall alarm enable	☑	☑
Cell voltage high limit	☐	☐
Cell voltage low limit	☐	☐
Cell resistance high limit	☐	☐
Cell SoC low limit	☐	☐
Cell SoH low limit	☐	☐
Cell temperature high limit	☐	☐

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