

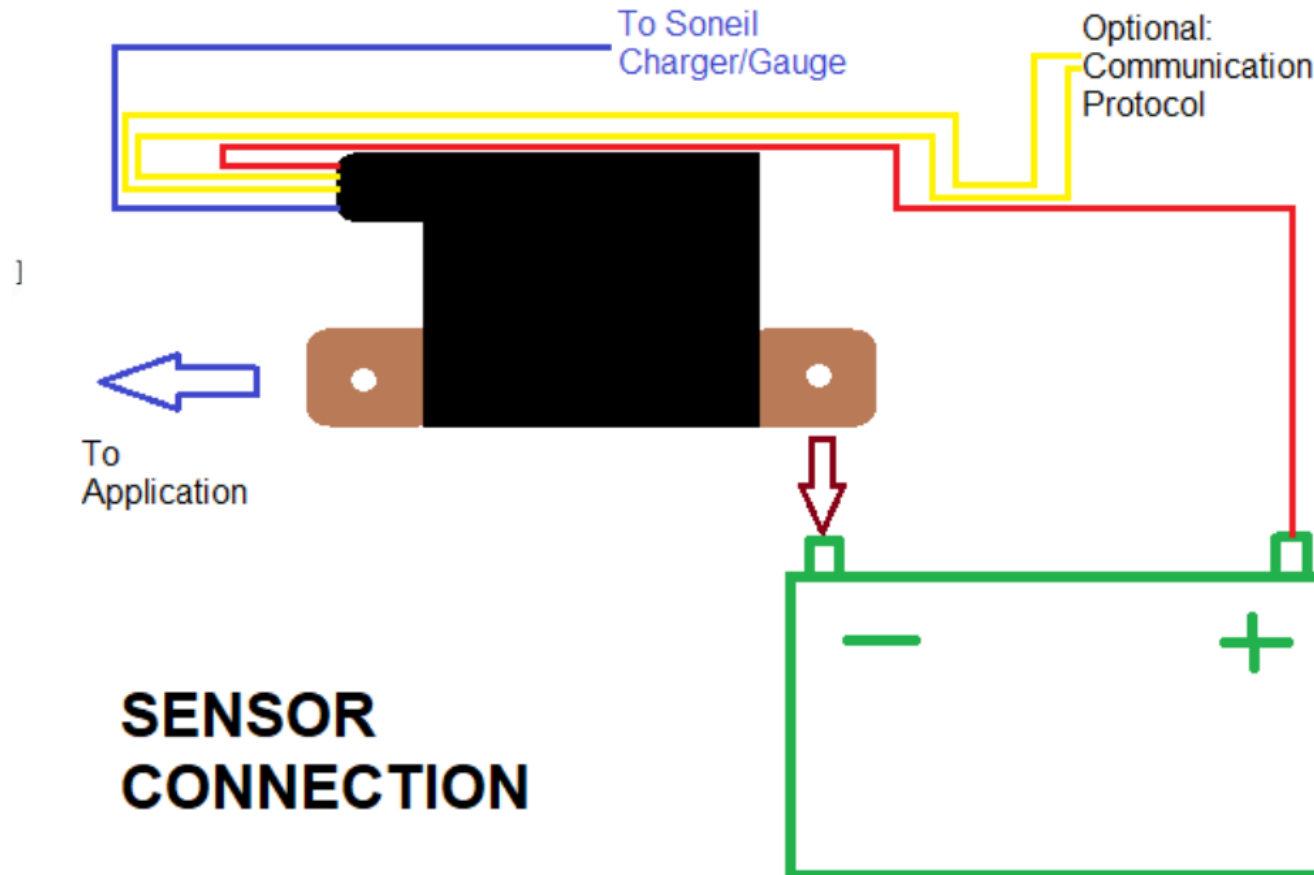


WI-FI BATTERY SENSOR



How to Connect

Connect the sensor as per the below diagram. B- of the Sensor to the B- of the Battery and the B+ (Red) Wire of the Battery Sensor to the B+ of the Battery to power the sensor



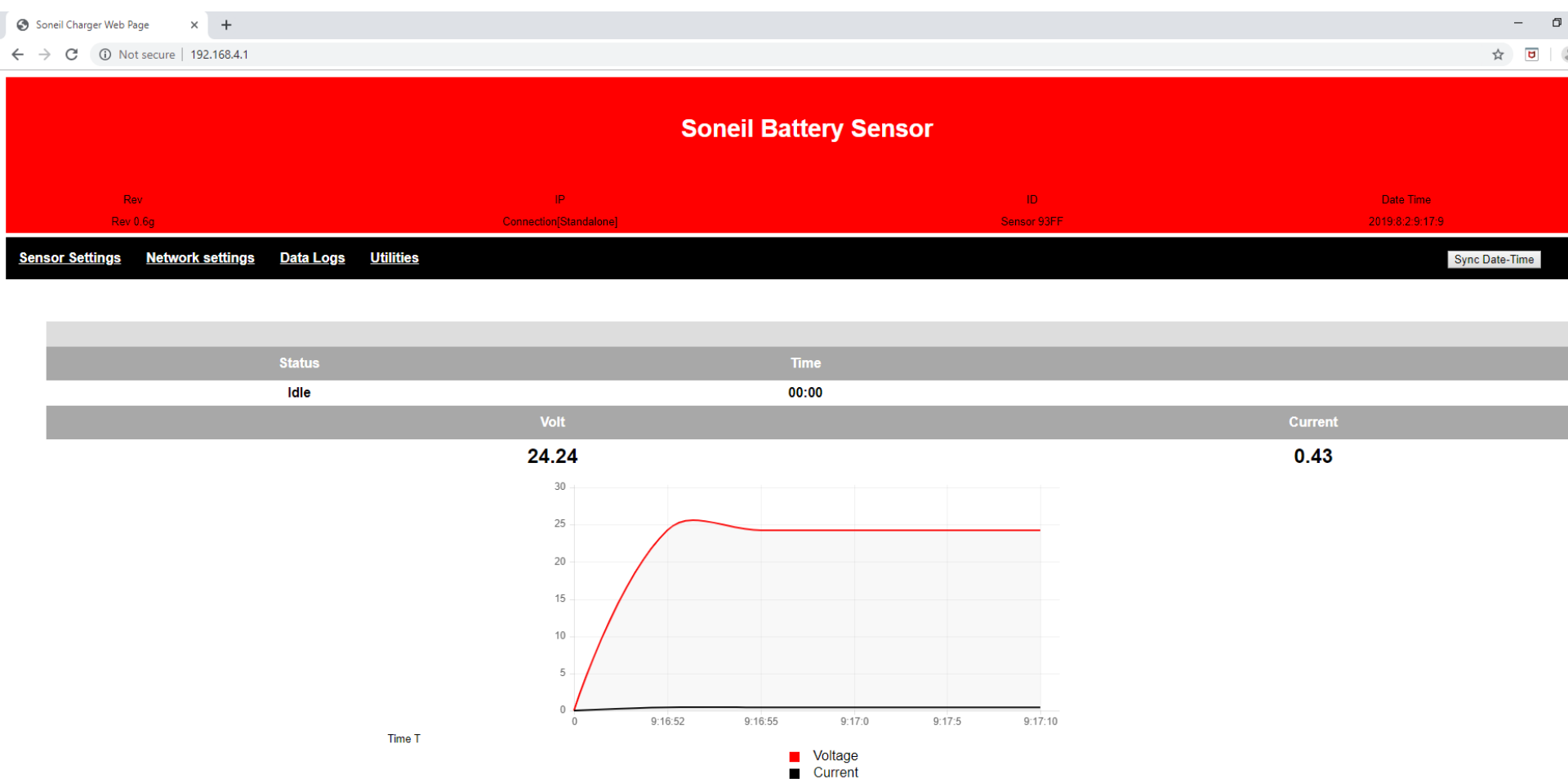
How to Connect

- Connect the Sensor to the Battery as per previous slide.
- Open Wi-Fi Connections on the computer and select the Soneil Sensor ****
- Enter the SSID password (Default:soneil123)



How to Connect

- Open any Web Browser
- Type the default IP :192.168.4.1



Sensor Settings

- You can set the Battery Capacity and other setting as per your requirement.
- To get set notifications by Email/sms you can set the values at which you want to get the alerts.

Sensor Settings

Logging

Charging current threshold Amp Discharge current threshold Amp
Log Record Every Minutes

Battery

Battery Type Battery Capacity Ah @C20
Number of Series Cells Cell Nominal Voltage V

Power Management

Power Mode Timer Minutes

Notifications

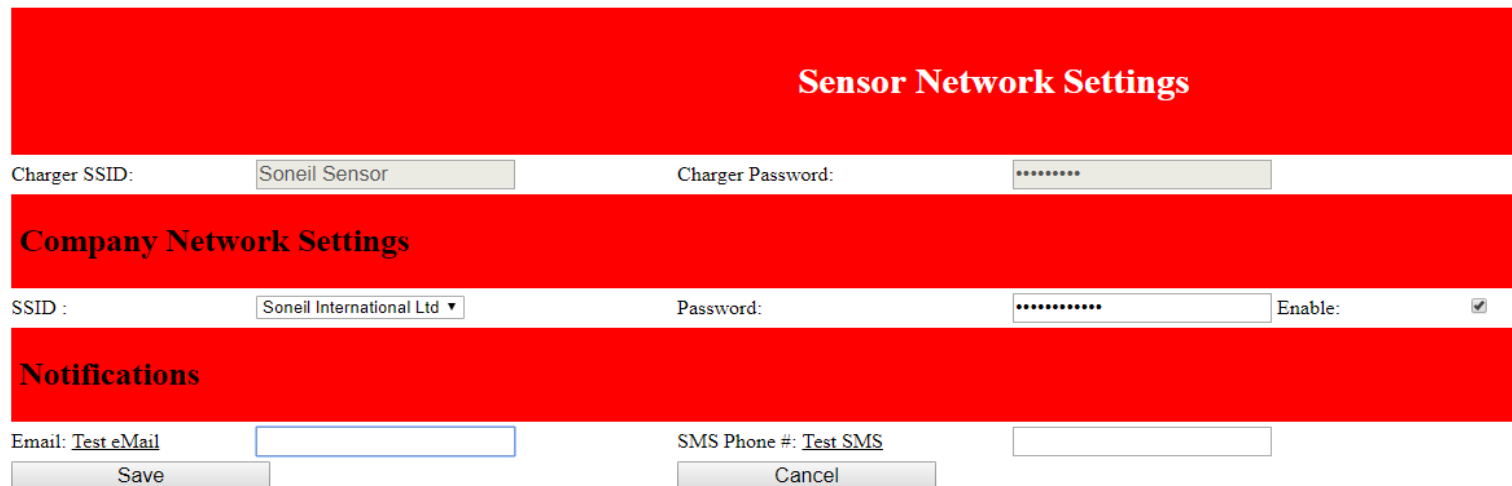
Charging maximum current Amps Discharge maximum current Amps
Battery maximum volt Volts Battery minimum volt Volts
Charging maximum time Hours

Save

Cancel

How to Connect

- Click on Network Settings
- In Company Network setting, select company SSID, add password to link your Battery Sensor to the company network and Click “Enable” and “Submit”
- To receive the Notifications add the Email ID and SMS Phone No. of the respective person concerned. Phone No: Start with Country Code without “+”

The screenshot shows a web interface for configuring a sensor network. It has three main sections: 1. "Sensor Network Settings" (red header) with fields for "Charger SSID" (containing "Soneil Sensor") and "Charger Password" (masked with dots). 2. "Company Network Settings" (red header) with fields for "SSID" (containing "Soneil International Ltd" with a dropdown arrow), "Password" (masked with dots), and an "Enable" checkbox which is checked. 3. "Notifications" (red header) with fields for "Email" (containing "Test eMail" and a text input box) and "SMS Phone #:" (containing "Test SMS" and a text input box). At the bottom are "Save" and "Cancel" buttons.

Sensor Network Settings

Charger SSID: Charger Password:

Company Network Settings

SSID : Password: Enable: ☒

Notifications

Email: Test eMail SMS Phone #: Test SMS

*Example SMS Phone # : 19055650360

Main Page



Soneil Battery Sensor

Rev
Rev 0.6g

IP
Connection[Soneil International Ltd: 192.168.1.115]

ID
Sensor 9931

Date Time
2019.7.24 8:30:43

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[Sync Date-Time](#)

Status

Time

Idle

00:00

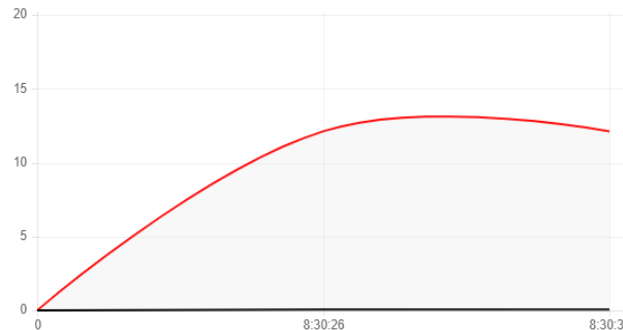
Volt

Current

12.12

0.05

Time T



■ Voltage
■ Current

- On the main display page, you can now see the Sensor IP address for accessing the sensor through the Company Network: i.e. 192.168.1.115

Data Logs

Sensor Data Logs

19-06-02 00:00	19-06-07 11:06	19-06-07 11:07
19-06-07 11:48	19-06-11 13:10	19-06-11 14:39
19-07-04 11:40	19-07-04 12:34	19-07-04 12:52
19-07-04 13:11	19-07-04 13:37	19-07-04 14:38
19-07-04 14:46	19-07-04 15:39	19-07-04 15:48
19-07-04 16:00	19-07-04 16:26	19-07-05 10:54
19-07-05 11:15	19-07-05 11:37	19-07-05 12:20
19-07-05 12:51	19-07-08 08:44	19-07-08 08:53
19-07-08 09:17	19-07-08 09:50	19-07-08 10:14
19-07-08 11:34	19-07-08 11:35	19-07-08 12:46
19-07-05 11:15	19-07-05 11:37	19-07-05 12:20
19-07-05 12:51	19-07-08 08:44	19-07-08 08:53
19-07-08 09:17	19-07-08 09:50	19-07-08 10:14
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19-07-08 09:17	19-07-08 09:50	19-07-08 10:14
19-07-08 11:34	19-07-08 11:35	19-07-08 12:46

[Home](#)

You can get the Charging/Discharging Curve Logs (Excel Format) from the log file:
Each charging/discharging cycle will be a separate log file with the date and time stamp
Click on the Log File you want to View and open the .csv file in excel.

Data Logs

Charge cycle# 1						
1	A	B	C	D	E	F
2	Recid	Time	Volt	Current	Temperat	AmpH
3	19	'00:08	13.881	2.366	0	0.118
4	20	'00:12	13.881	2.312	0	0.116
5	21	'00:16	13.881	2.366	0	0.118
6						
7						
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10						
11						
12						
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27						
28						
29						
30						

Discharge cycle# 1						
1	A	B	C	D	E	F
2	Recid	Time	Volt	Current	Temperat	AmpH
3	25	'00:08	23.265	-23.763	0	-1.584
4	26	'00:12	23.069	-23.763	0	-1.584
5						
6						
7						
8						
9						
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32						

When you download the Log file, it will open in Excel Format.

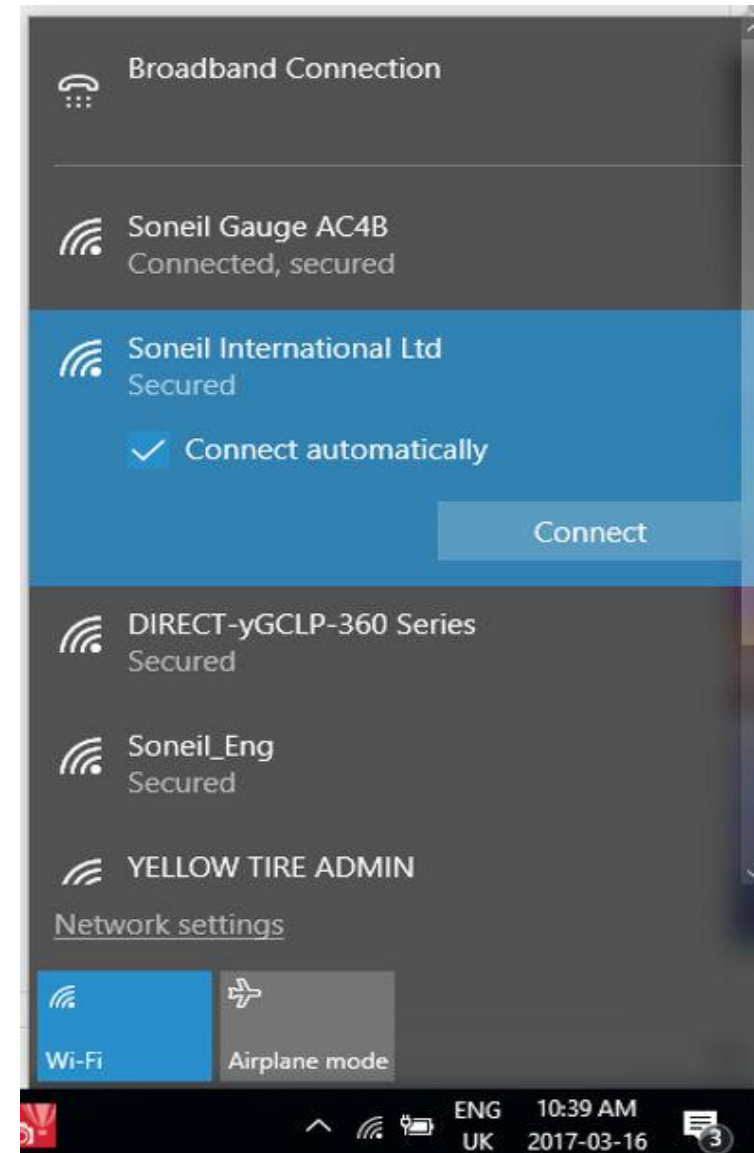
You can plot the curve as per your requirement.

The Battery Sensor is now connected to your Company
Network

Now you can Log onto your Sensor without logging
onto the Sensor Wi-Fi SSID

Connect Through Company Network

- Open Wi-Fi Connections on the computer and select your Company Network.



Main Page

- Open any Web Browser
- Type the IP Address as per Slide 7 i.e. 192.168.1.115, which is the Sensor IP address on your Company Network

Soneil Battery Sensor

Rev
Rev 0.6g

IP
Connection[Soneil International Ltd: 192.168.1.115]

ID
Sensor 9931

Date Time
2019.7.24 8:30:43

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[Sync Date-Time](#)

Status

Time

Idle

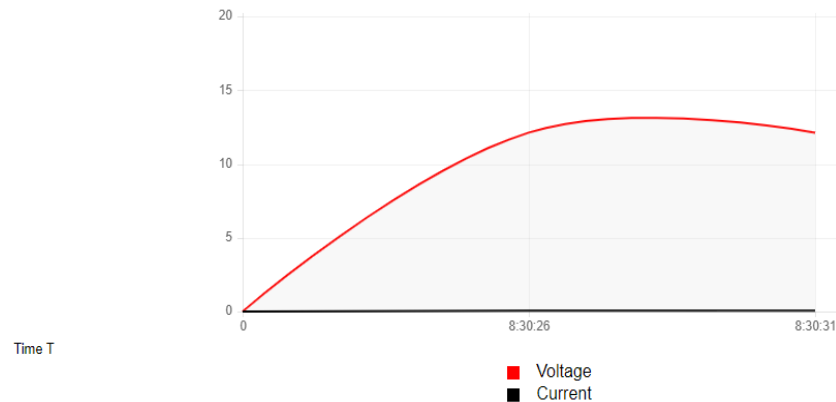
00:00

Volt

Current

12.12

0.05



Sensor Setting Modifications Remotely

Sensor Settings

Logging
Charging current threshold Amp Discharge current threshold Amp
Log Record Every Minutes

Battery
Battery Type Battery Capacity Ah @C20
Number of Series Cells Cell Nominal Voltage V

Power Management
Power Mode Timer Minutes

Notifications
Charging maximum current Amps Discharge maximum current Amps
Battery maximum volt Volts Battery minimum volt Volts
Charging maximum time Hours

- You can now change the sensor settings remotely through your company network

Data Logs

Sensor Data Logs

19-06-02 00:00	19-06-07 11:06	19-06-07 11:07
19-06-07 11:48	19-06-11 13:10	19-06-11 14:39
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Each charging/discharging cycle will be a separate log file

THANK YOU