

# Quick Start Guide

The Site Name, which can be configured in the Settings menu, will be displayed here.

This shows how many strings are configured for each battery in the Frontier system. Clicking on a numbered box will display the readings for that string.

This section of the page contains the latest up-to-date readings for the selected string. All readings shown on the Home page will refresh automatically in order to display their latest values. Red indicates that the associated parameter is currently in alarm. Grey is an indication that alarm limits have not been set.

The most recent ohmic values for each cell are shown here. An ohmic scan occurs every 24 hours unless manually triggered by the user within Diagnostics. The y-axis is automatically adjusted according to the alarm limits that have been set. It is important to note that ohmic readings in Frontier are reported in  $\mu\text{Ohm}$ .

Useful information such as the Frontier version, current date and time, and the IP address of the Frontier system is displayed here.

The top right of the screen indicates the current state of the Frontier system. If anything is in alarm, clicking this will display a drop-down menu showing what alarm limits have been exceeded.

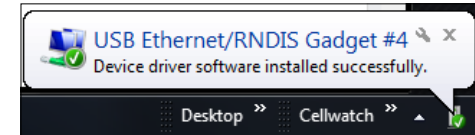
To explore the Frontier system, use the menu options located at the top. Everything from building a configuration (Settings > Battery Design) to setting alarm limits (Settings) to viewing historical data (History) can be found here.

This section shows the latest voltage readings for each cell on the selected string. The upper and lower alarm limits are indicated by lines on the graph. A red cell means that it is currently in voltage alarm. If the cells are colored grey, then voltage alarms for the cells have not been set.

Using the Zoom button will adjust the y-axis of each graph in order to change how the cell readings are displayed on the page.

# Installation Summary

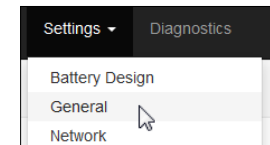
- 1) Use the provided micro USB cable to attach the Frontier system to a Windows machine. The Frontier RDIS6/RNDIS interface should install automatically upon plugging in the cable. If it does not install automatically, use the provided INF files to install the interface driver manually. For more information on this, see our Frontier Application Notes.



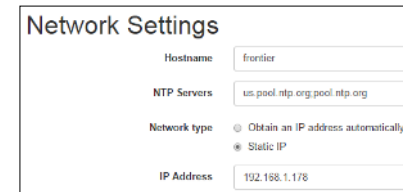
- 2) Go to <http://169.254.86.10> and use the following credentials to log in for the first time:

- ⇒ Username: admin
- ⇒ Password: serial number of Frontier unit

- 3) It is recommended that the password be changed after logging in. In the Settings menu located at the top, select General. Be sure that the system time and time zone is set correctly on this page as well.

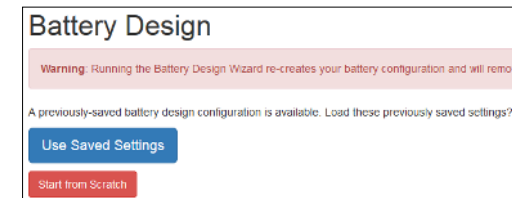


- 4) Next, enter the Network Settings (Settings > Network). If the site has a static IP address reserved for the Frontier unit, enter in the details on this page. Otherwise, leave the Network type set to Obtain an IP address automatically.



- 5) Once these settings are configured, test the network connection to the Frontier by using a computer located on the same network. Enter the IP address assigned to the Frontier unit into a internet browser.

- 6) Once everything is confirmed to be configured correctly, go to the Settings menu and select Battery Design. Walk through the steps to build the configuration file for the system.



- 7) Confirm that the battery design in Frontier matches the hardware layout of the system. If the configuration looks good, go to the Settings menu and configure the alarms for the system.

- 8) Everything should now be set up correctly! The indicator located at the top of the Home page will verify that the Frontier system is up and running with no issues.

