DATE	REV	REASON FOR CHANGE	ORIGINATED & APPROVED
17th Aug 2015	0	New Test Procedure	Francis Foley
22nd Sept 2016	1	Modified Section 1, added new Figures to detail the settings for Lead Acid and Ni-CAD batteries.	Francis Foley

1 Eltek Chargers Set-Up

1.1 Initial Set-Up Process

1.1.1 Connect an Ethernet Cable into the port on the controller card of the charger, the other end of the Ethernet cable must be attached to our internal network switch.

1.1.2 Run the Eltek Network Utility on the Desktop (Download this from Eltek if you do not have a copy) and click on the search key located on the top left hand corner of the application. See Figure 1. Eltek Network Utility Search Screen below.

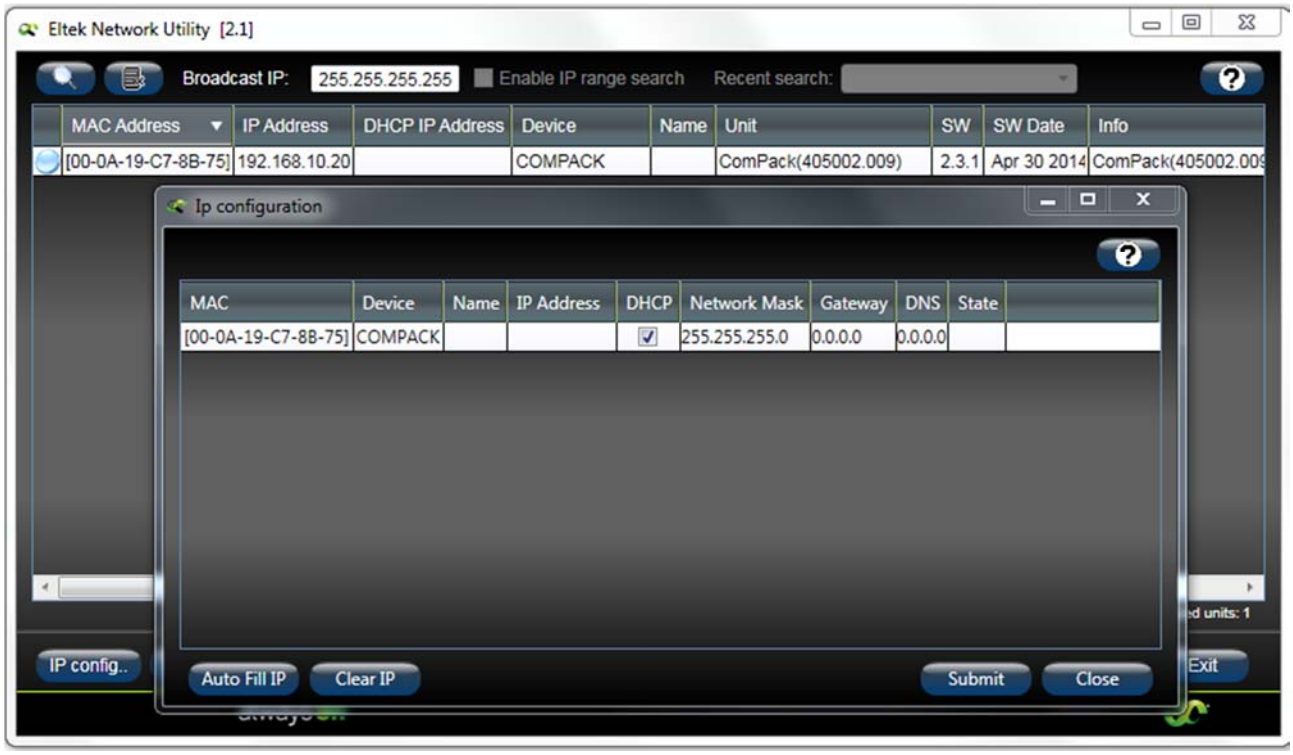

Figure 1. Eltek Network Utility Search Screen

1.1.3 Highlight the Controller and click on IP config button located on the bottom left hand corner then click the DHCP box as shown in Figure 1. Eltek Network Utility Search Screen then

press the submit button.

1.2 Configuration Settings

1.2.1 Press the Clear Device List Button located alongside the Search button the search again for the controller (note you may have to do this a few times), when it's click on the device this will open the device in your preferred Internet Browser, this will permit access to the controller settings the User Name and password is admin and the Password is admin.

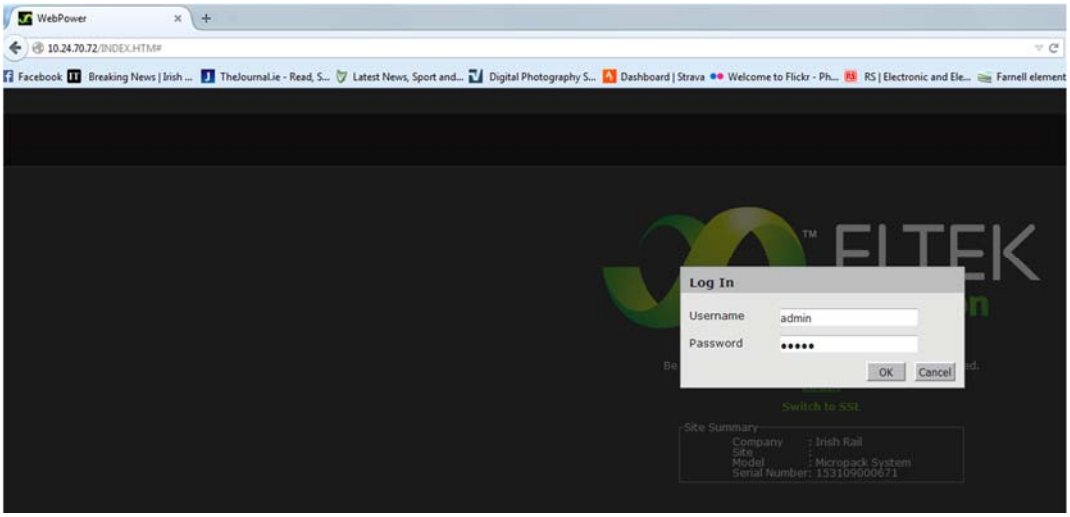

Figure 2. Log In Screen

1.2.2 On the System Configuration tab change the settings to those shown in Figure 3. Mains Configuration and make changes as per the other screen shots in:

Figure 4. System Voltages Lead Acid Batteries
Or Figure 5. System Voltages 9 x Ni-CAD cells (Note set Number of Battery Cells to 6, but compensate on cell voltages)
Figure 6. System Global Settings
Figure 7. Rectifier Configuration
Figure 8. Battery Configuration
Figure 9. Battery Boost Setting for Lead Acid Batteries
Or Figure 10. Battery Boost Settings for Ni-CAD Batteries
Figure 11. Battery Equalize Settings for Lead Acid Batteries
Or Figure 12. Battery Equalize Settings for Ni-CAD Batteries
Figure 13. Alarm Configuration Outputs
Figure 14. Mains Input Alarm Configuration
Figure 15. Rectifiers Alarm Configuration
Figure 16. Rectifiers Communication Alarm
Figure 17. Alarm Configuration - Lead Acid Battery Voltage
Or Figure 18. Alarm Configuration - Ni-CAD Battery Voltage
Figure 19. Battery Temperature Alarm Settings
Figure 20. Battery Quality Alarm Settings

Figure 21. Control System Alarm Settings

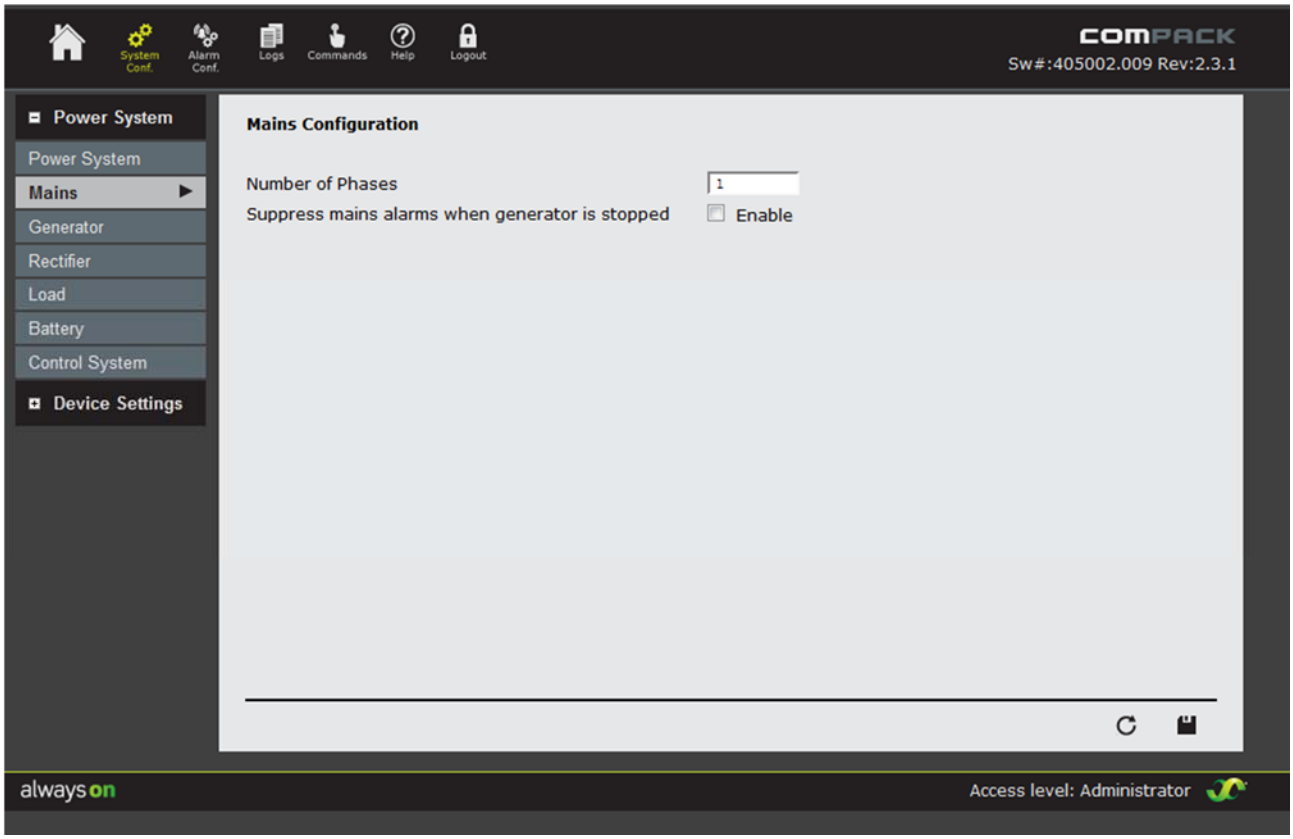

Figure 3. Mains Configuration

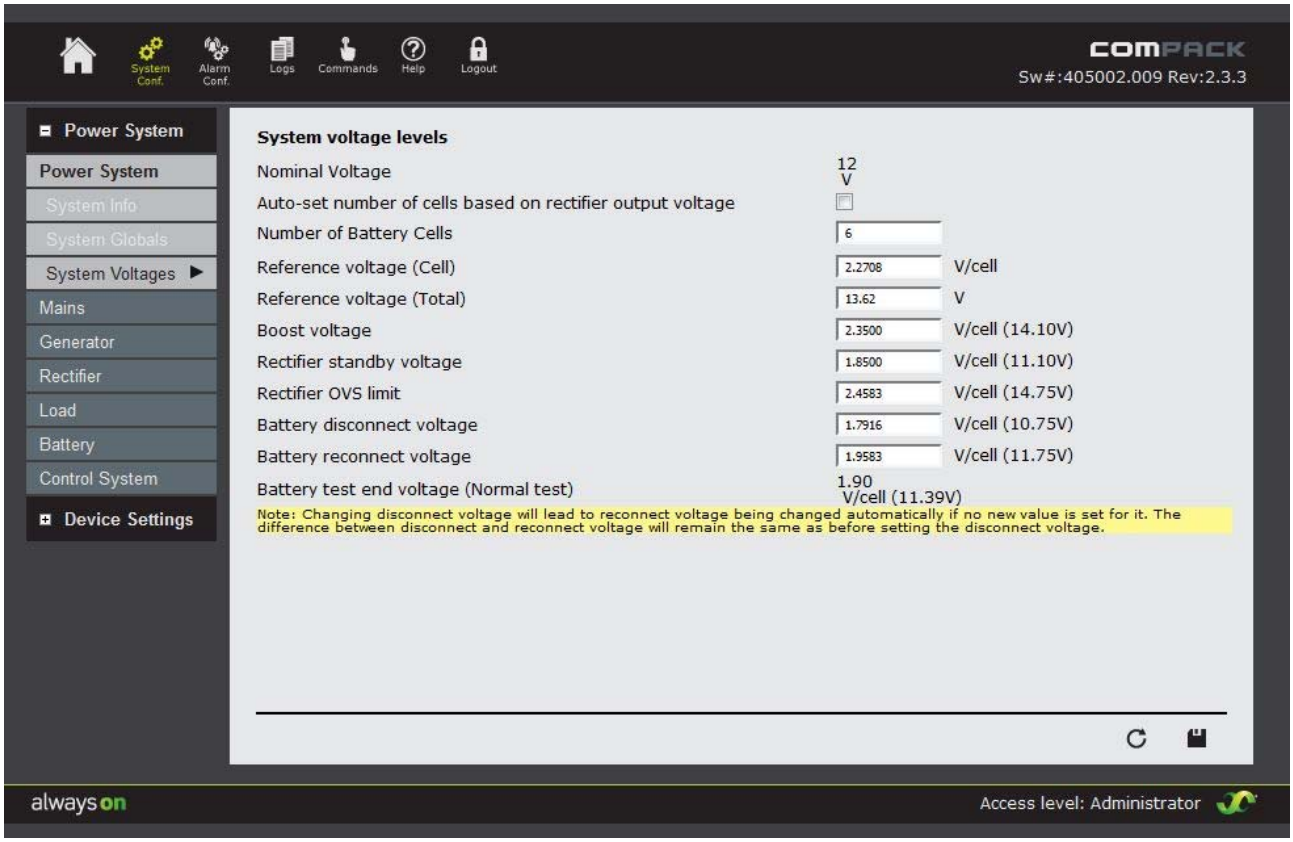

Figure 4. System Voltages Lead Acid Batteries

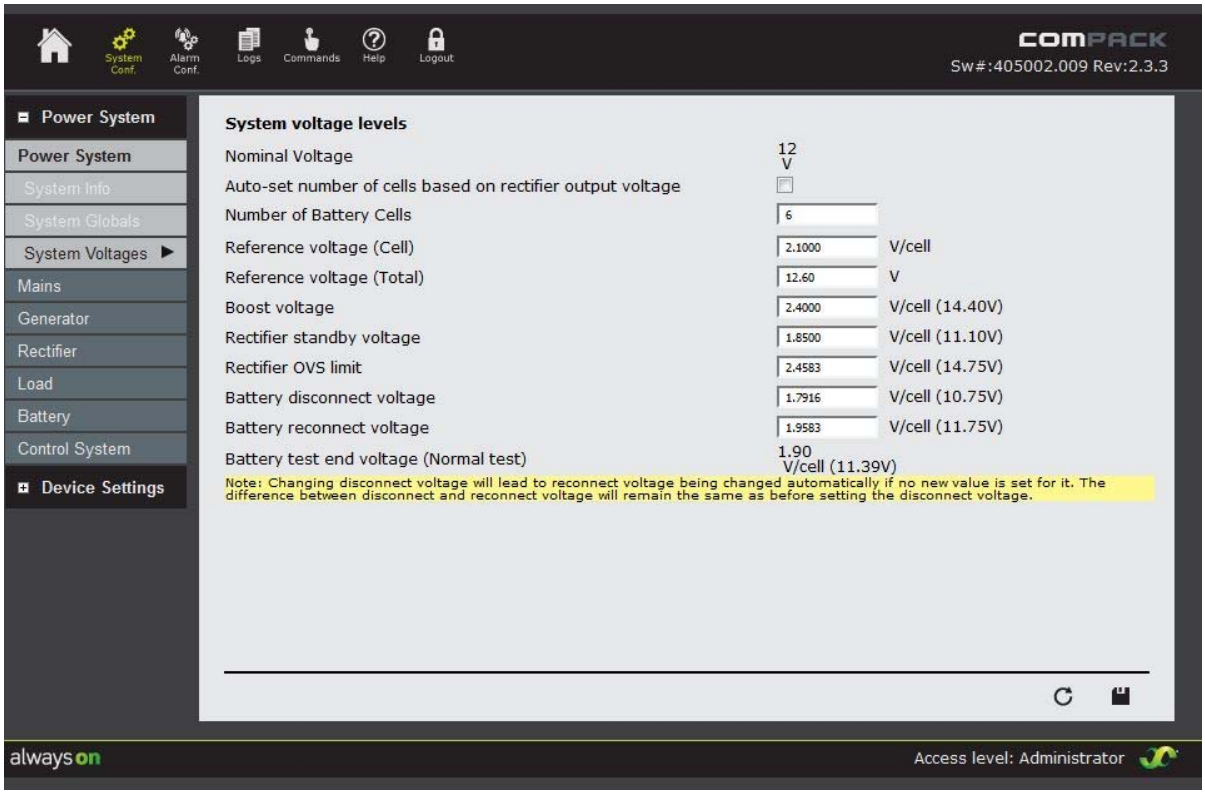

Figure 5. System Voltages 9 x Ni-CAD cells (Note set Number of Battery Cells to 6, but compensate on cell voltages)

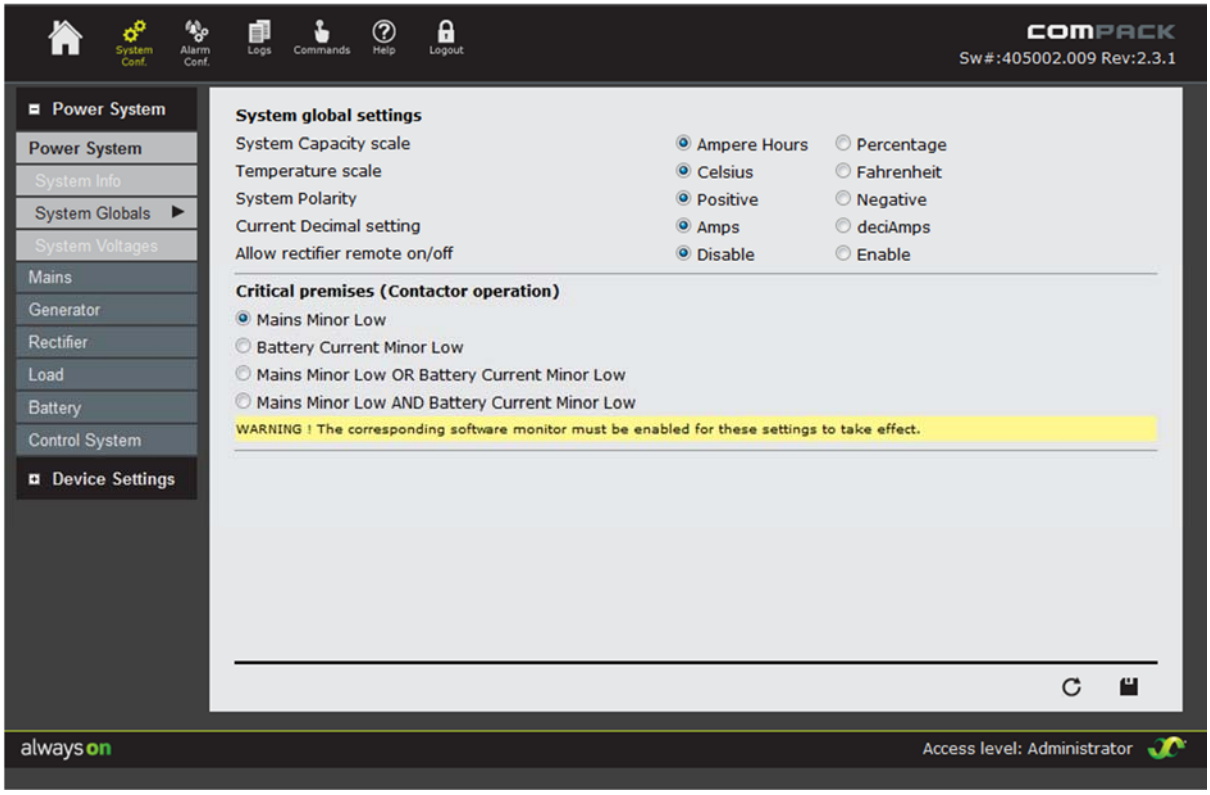

Figure 6. System Global Settings

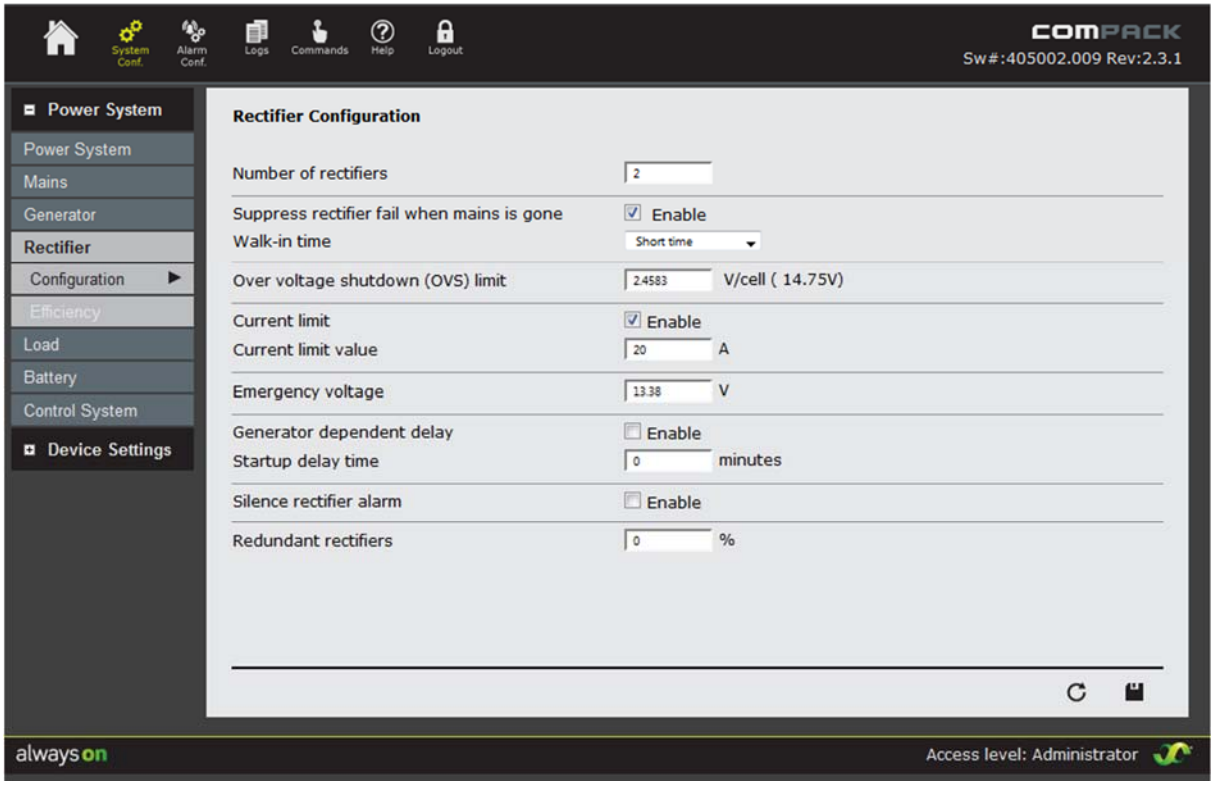

Figure 7. Rectifier Configuration

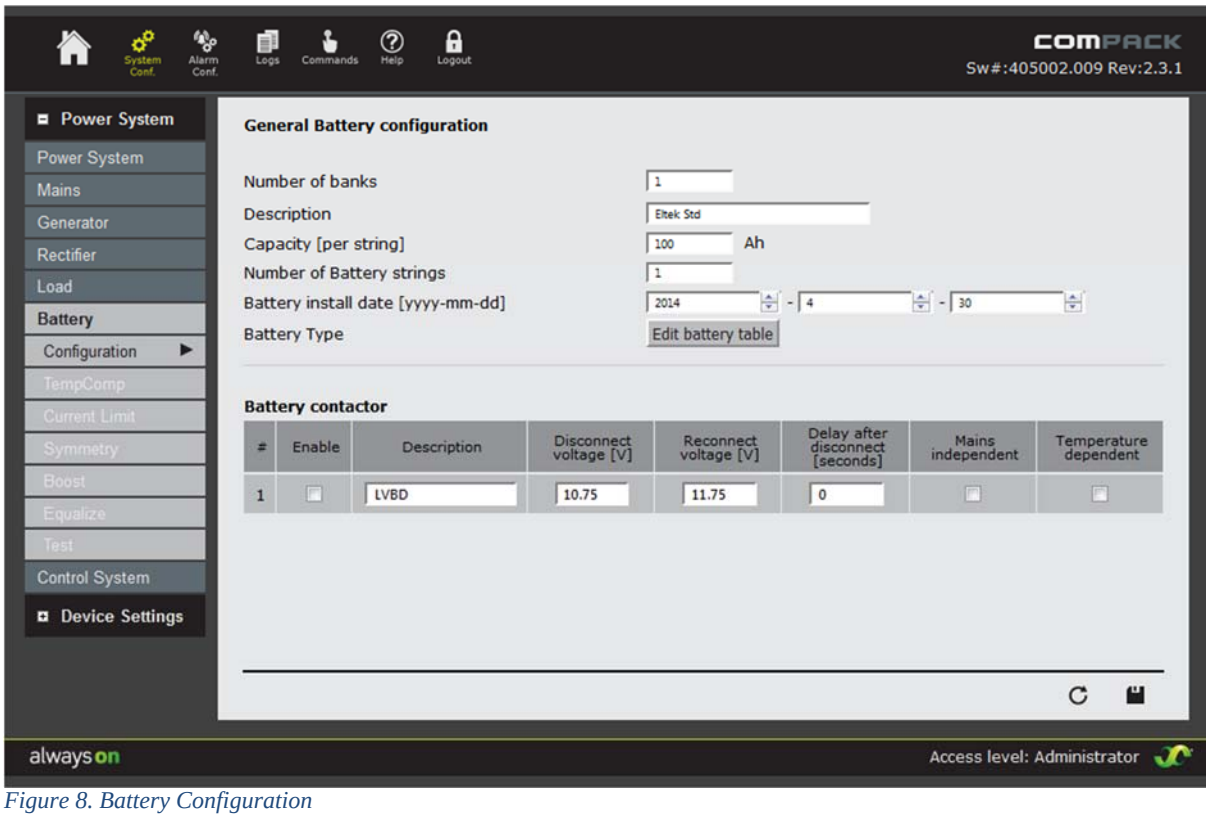

Figure 8. Battery Configuration

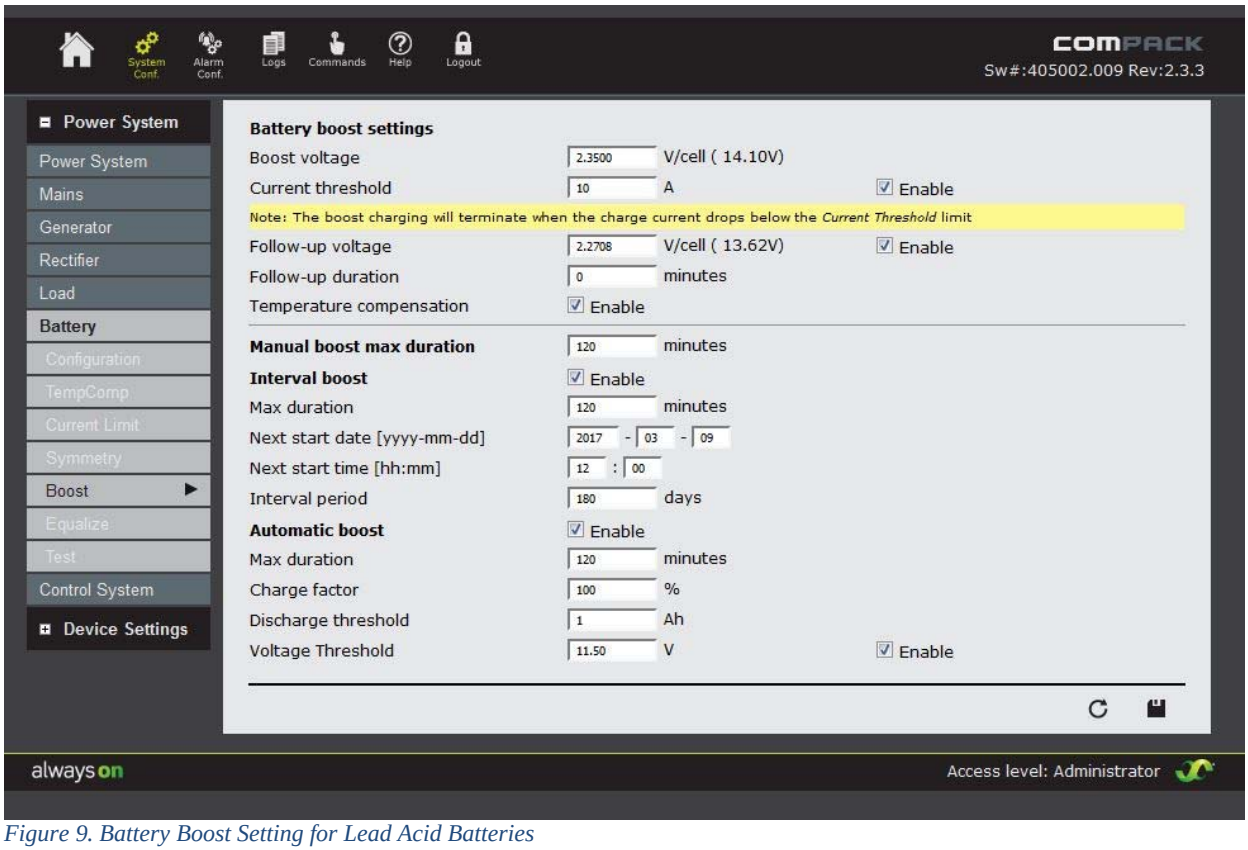

Figure 9. Battery Boost Setting for Lead Acid Batteries

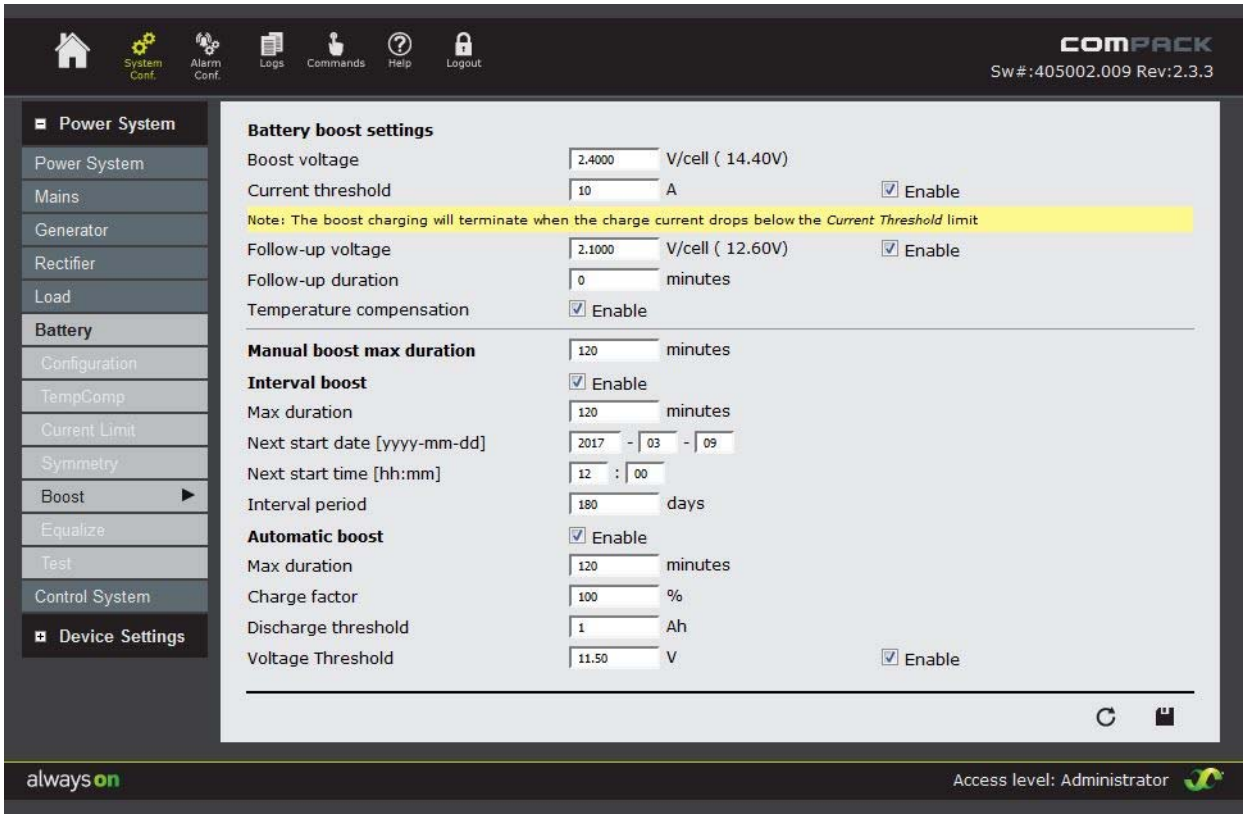

Figure 10. Battery Boost Settings for Ni-CAD Batteries

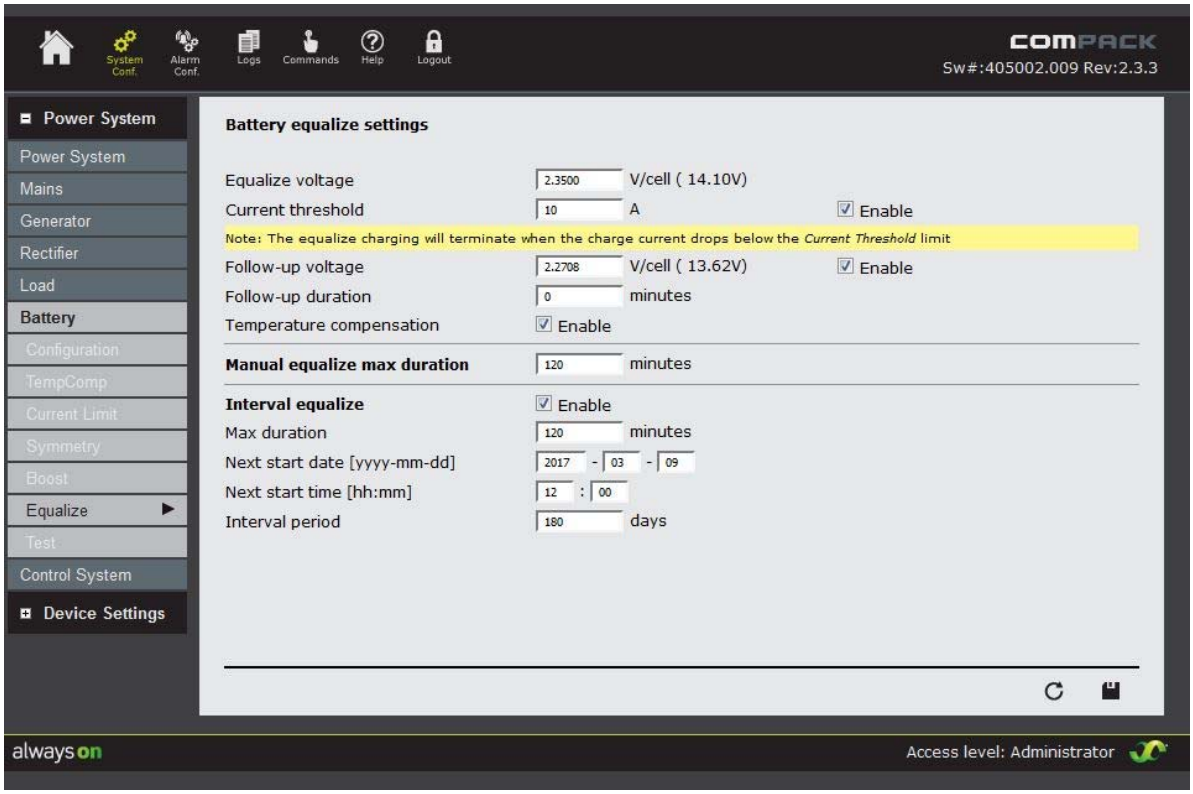

Figure 11. Battery Equalize Settings for Lead Acid Batteries

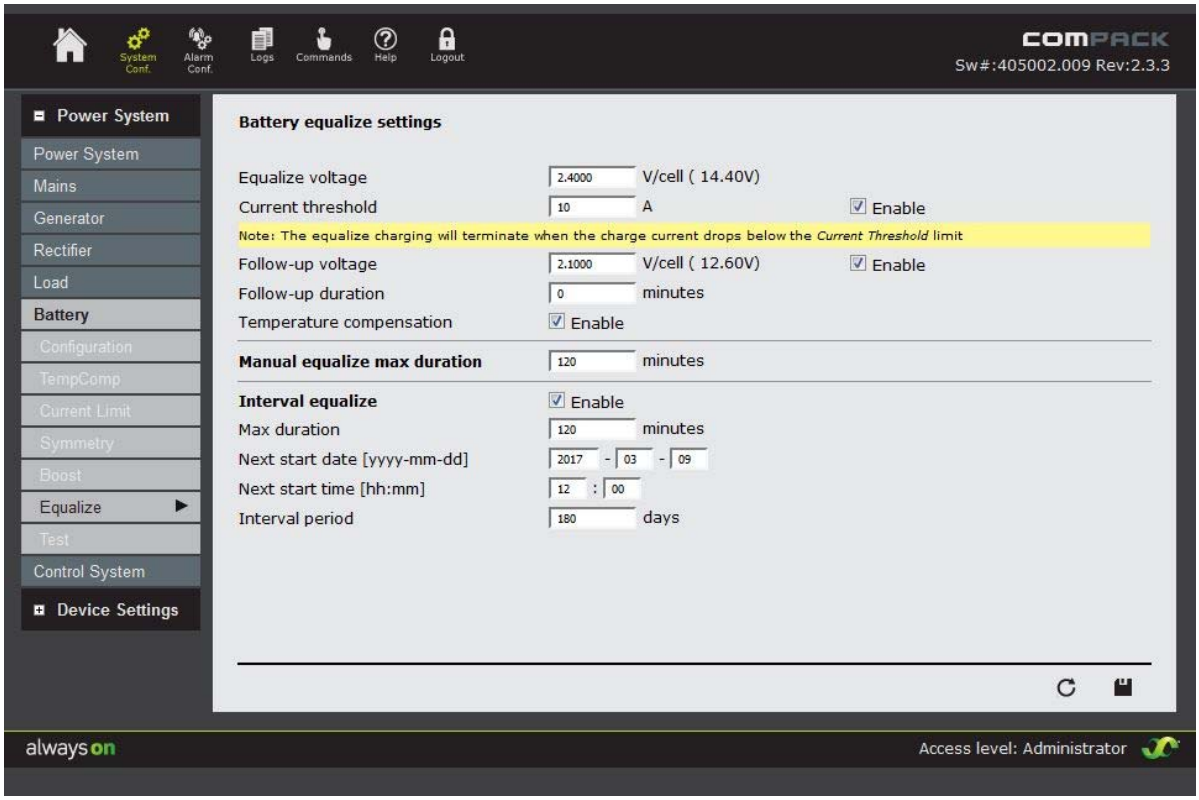

Figure 12. Battery Equalize Settings for Ni-CAD Batteries

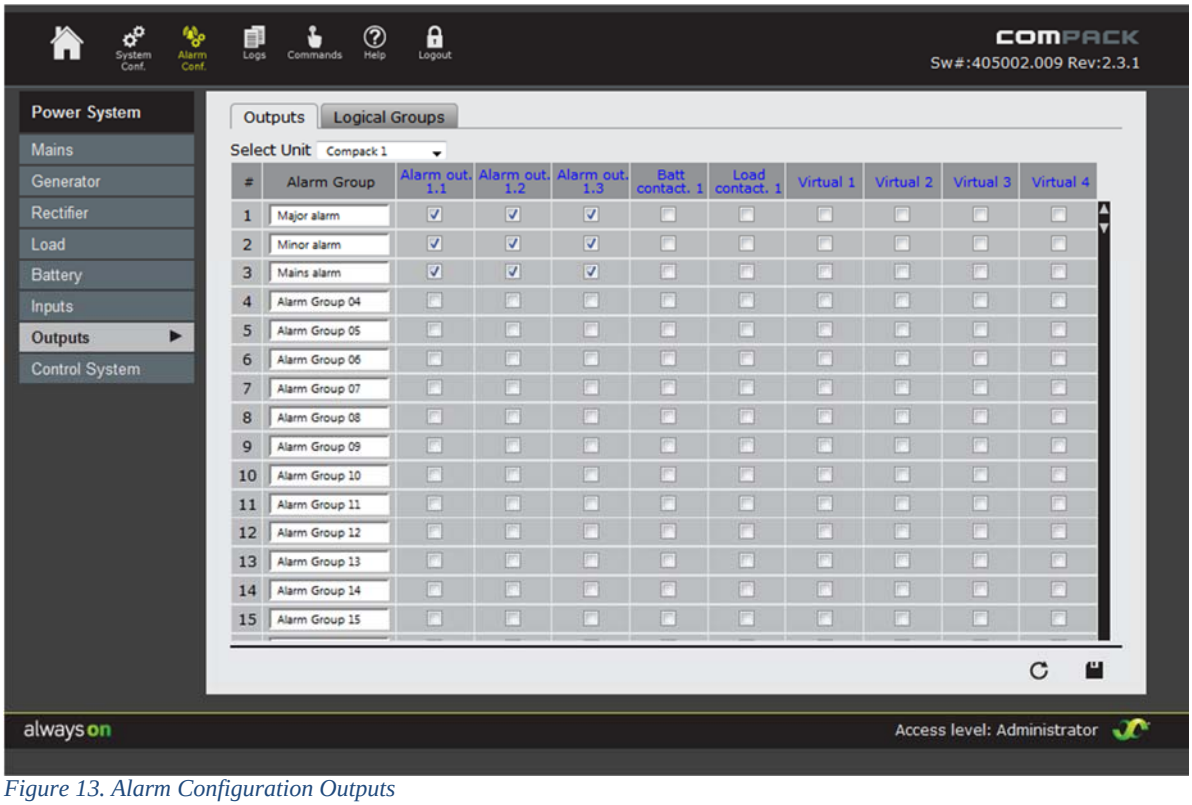

Figure 13. Alarm Configuration Outputs

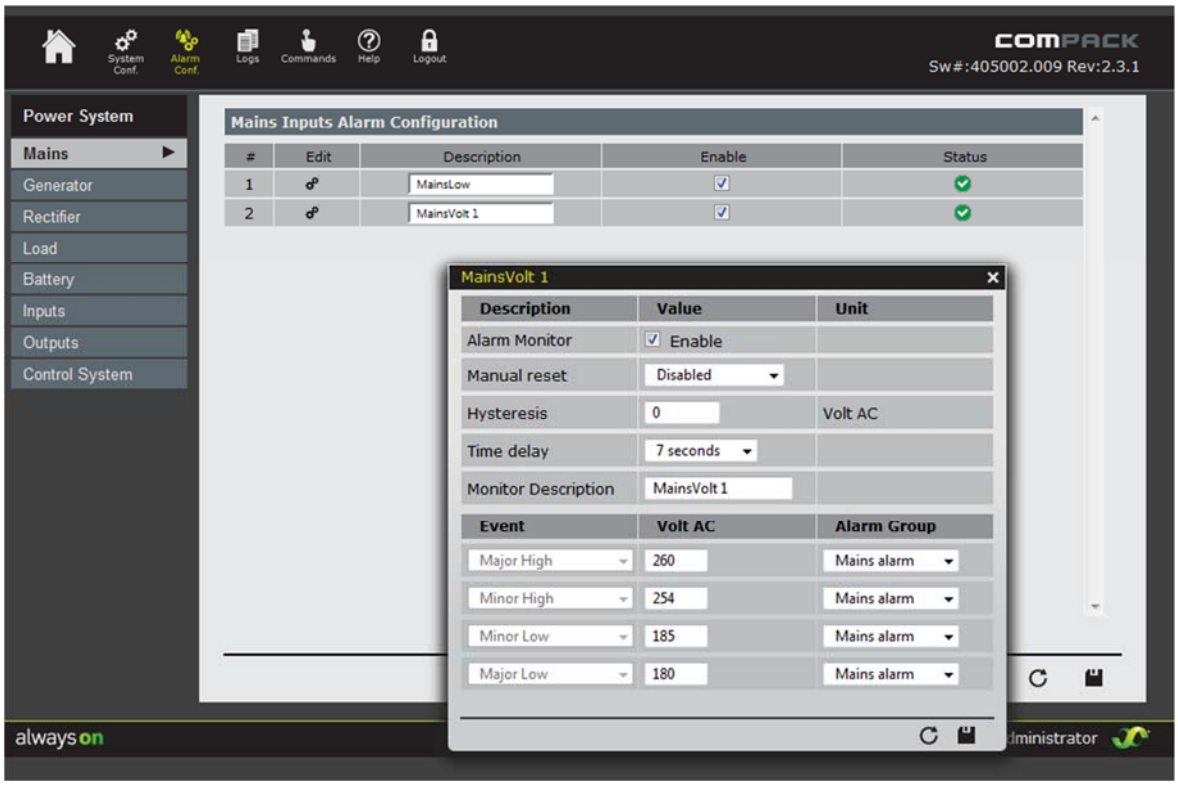

Figure 14. Mains Input Alarm Configuration

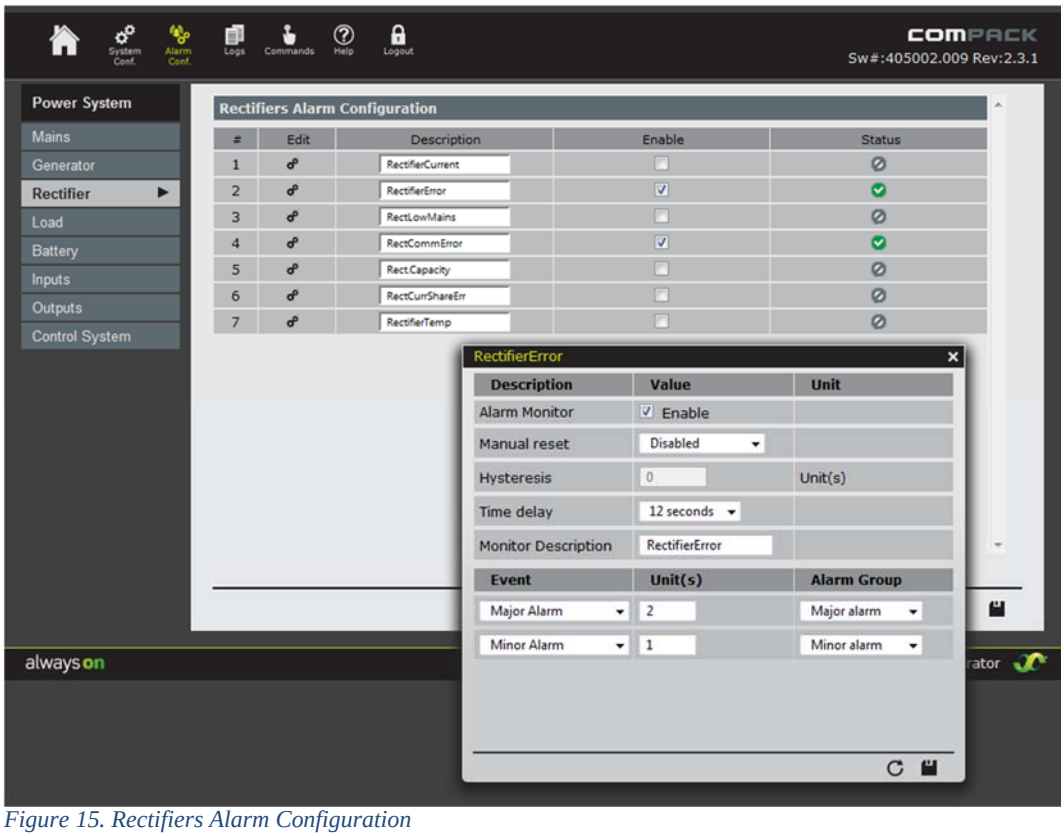

Figure 15. Rectifiers Alarm Configuration

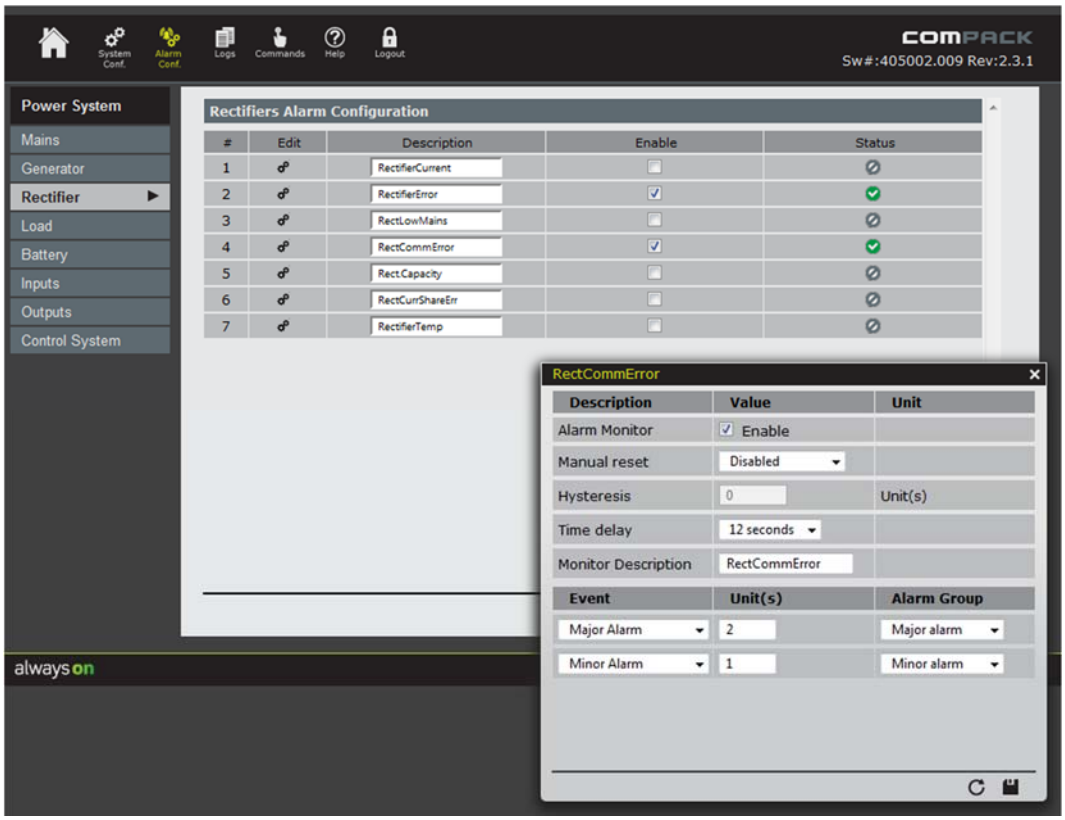

Figure 16. Rectifiers Communication Alarm

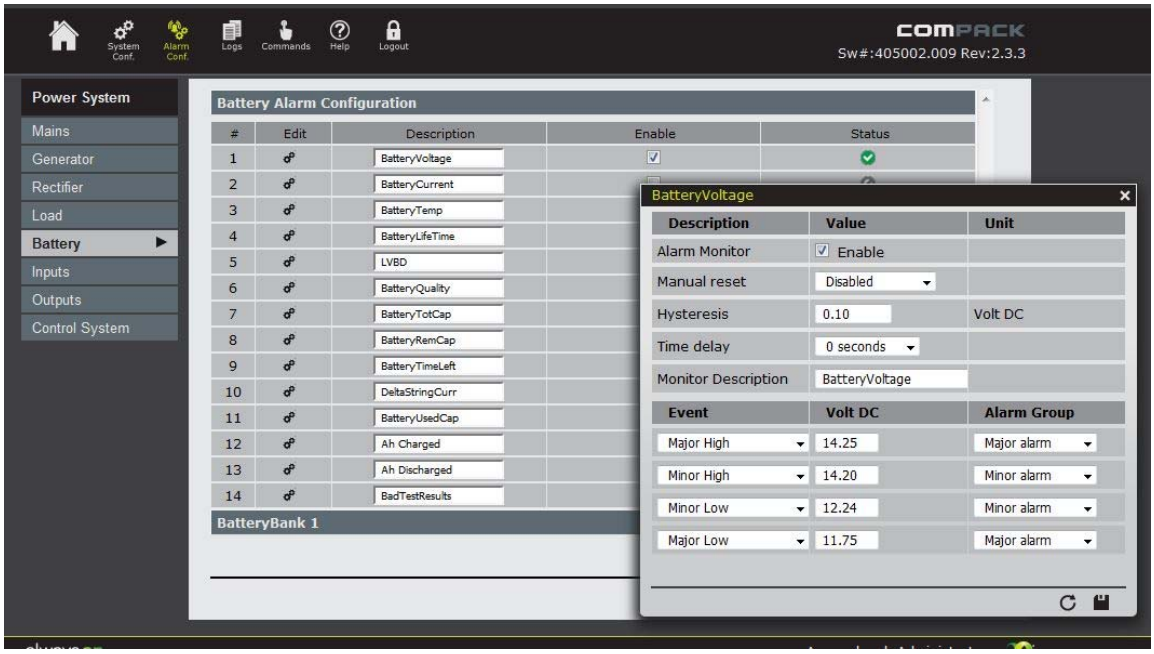

Figure 17. Alarm Configuration - Lead Acid Battery Voltage

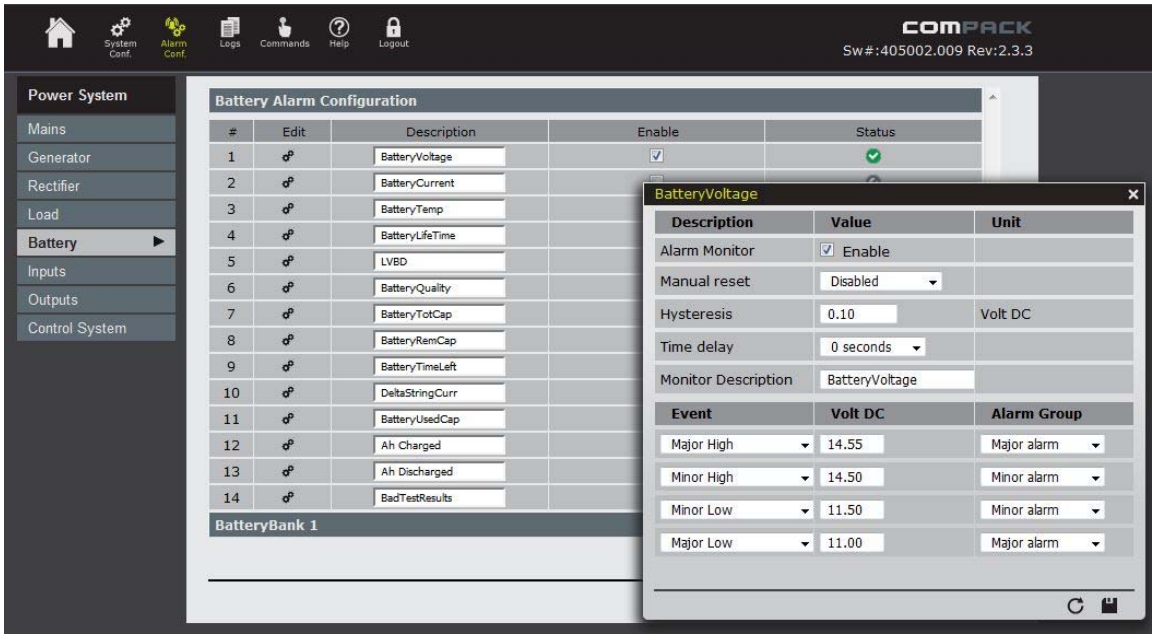

Figure 18. Alarm Configuration - Ni-CAD Battery Voltage

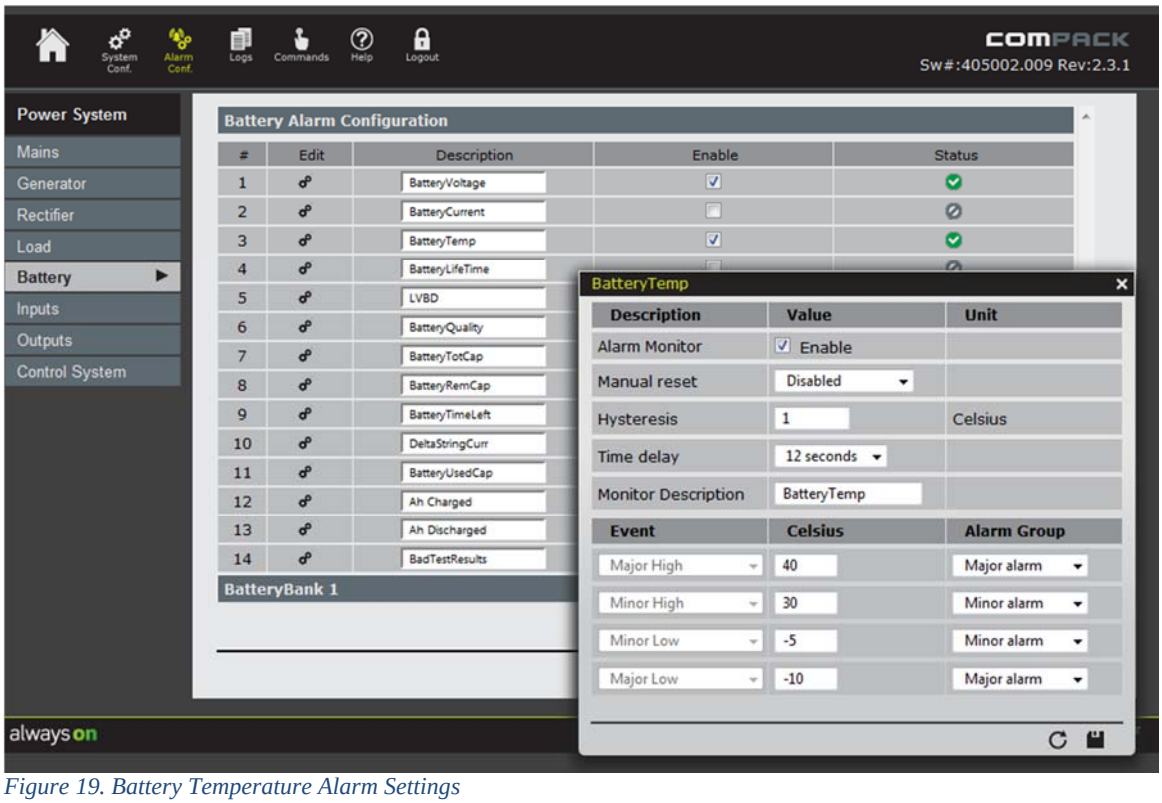

Figure 19. Battery Temperature Alarm Settings

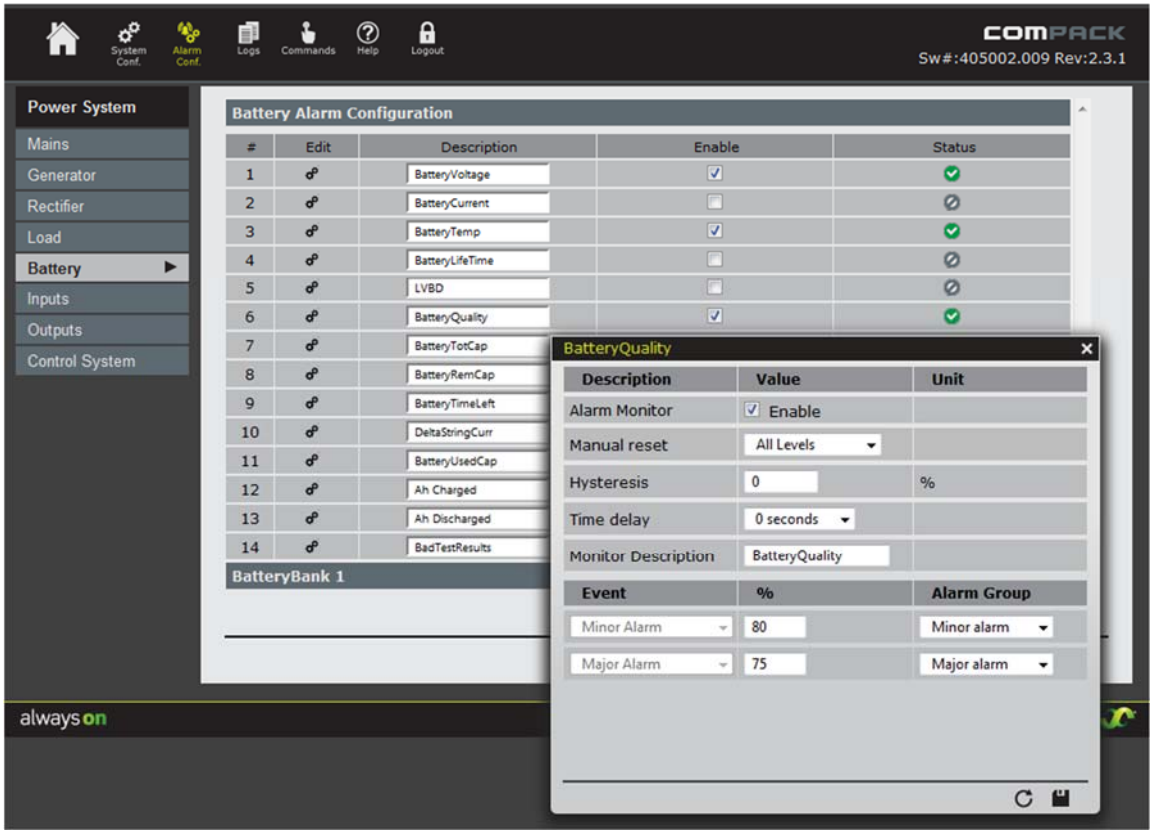

Figure 20. Battery Quality Alarm Settings

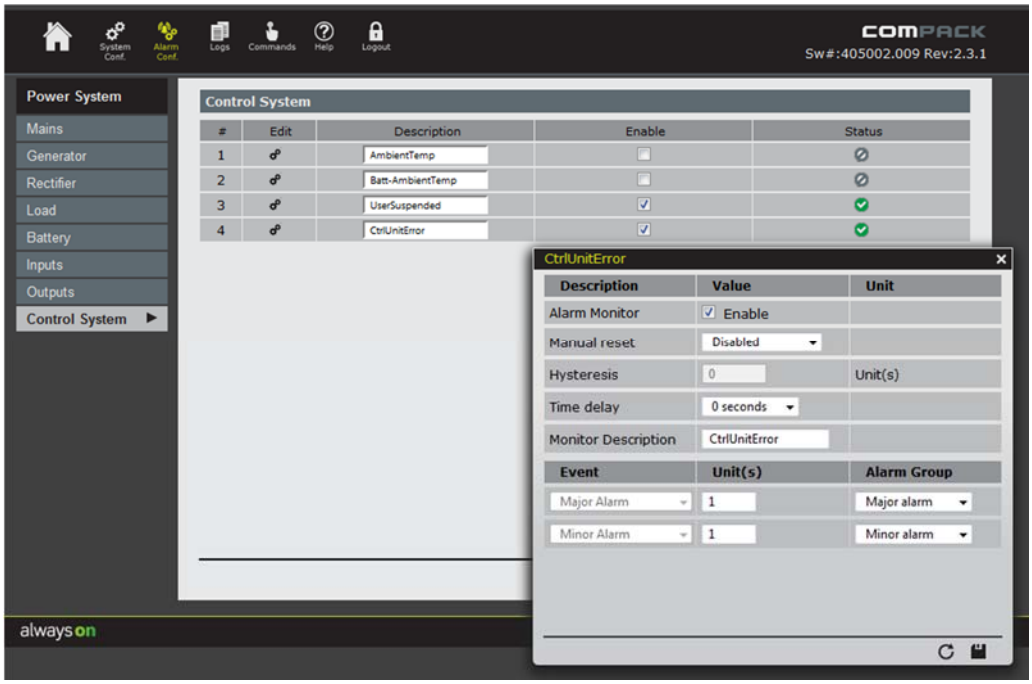

Figure 21. Control System Alarm Settings

2 Modifications and Module Removal

2.1 Earth Modification

2.1.1 The Earth tab must be isolated from the positive pin as shown in Figure 22. Grounding Leg and left standing free.

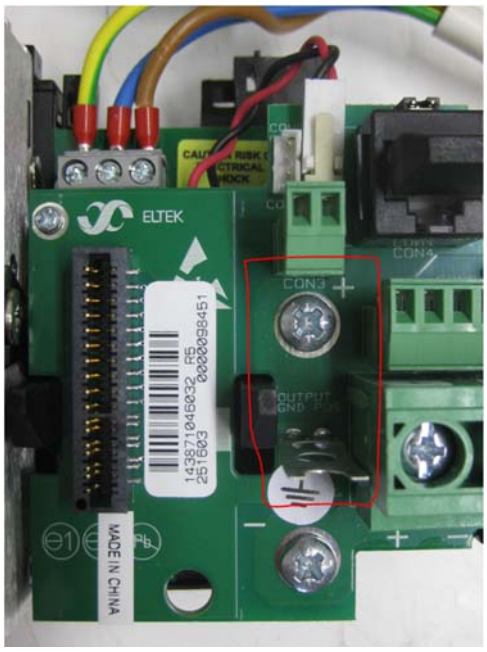

Figure 22. Grounding Leg

2.2 Coding Pin Modification

2.2.1 Modify the yellow coding pins on all spaces to match those shown in Figure 23. Coding Pin Modification

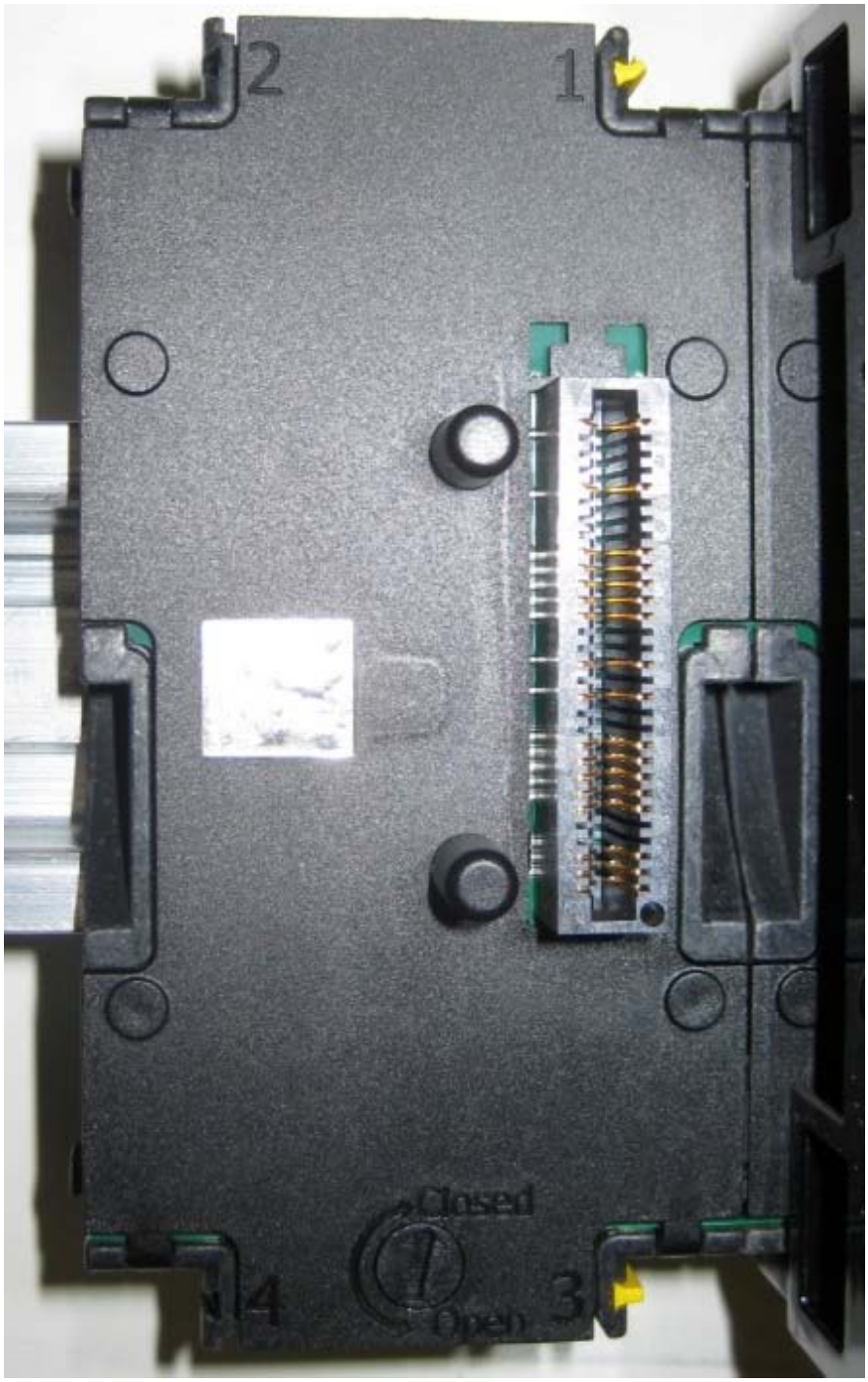

Figure 23. Coding Pin Modification

2.3 Module Removal

2.3.1 In order to remove a module insert an appropriate size flat screw driver as shown in Figure 24. Module Removal to release the catch.

Figure 24. Module Removal