



an EnerSys® company

Method of Procedure

Resolving Bouncing Radios in the Absence of Batteries

Summary

This procedure outlines how to update the configuration of a Cordex® 3.0kW DC power system to eliminate bouncing radios. It has been observed that radio bouncing can occur when there are no batteries physically present in the system. A system will be without batteries under the following conditions:

1. Sites that operate with batteries under normal conditions, but the batteries become temporarily disconnected (for example, theft or maintenance).
2. Sites that were deployed and are operating without batteries for extended periods of time.

Cordex® DC power systems are typically factory configured to be used with batteries. To resolve bouncing radios for these two conditions, Alpha Technologies Ltd. recommends following the following procedures to update the system configuration.

Equipment or tools necessary

Laptop with internet access

Contents

Summary 1

Equipment or tools necessary 1

Section 1 – Sites that operate with batteries under normal conditions 2

Section 2 – Sites that operate without batteries for extended periods of time 3



an EnerSys® company

Method of Procedure

Section 1 – Sites that operate with batteries under normal conditions

Task: Disable Load Sharing

1. Sign in to the Cordex® CXC HP controller web interface and go to **System > DC System > System Functions > Rectifier Control and Monitoring**.
2. To disable load sharing, select the edit icon in the **Loadsharing** table, select **Disable** from the drop-down menu, and save the changes.

Name	Value	Actions
Loadsharing	Enabled	

Field Details

Loadsharing

Disabled

Default: Enabled

Help

Loadsharing should almost always be enabled. The only time you may wish to disable it is if you want to avoid system voltage instability due to rectifiers from other manufacturers sharing the same output bus.

Cancel **Save**

End of Method of Procedure
for Section 1



an EnerSys® company

Method of Procedure

Section 2 – Sites that operate without batteries for extended periods of time

Task: Disable Load Sharing, Disable Voltage Regulation, and Remove Batteries

1. Sign to the Cordex® CXC HP controller web interface and go to **System > DC System > System Functions > Rectifier Control and Monitoring**.
2. To disable load sharing, select the edit icon in the **Loadsharing** table, select **Disable** from the drop-down menu, and save the changes.

Name	Value	Actions
Loadsharing	Enabled	

Field Details

Loadsharing

Disabled

Default: Enabled

Help

Loadsharing should almost always be enabled. The only time you may wish to disable it is if you want to avoid system voltage instability due to rectifiers from other manufacturers sharing the same output bus.

Cancel **Save**

3. To disable voltage regulation, select the edit icon in the **Output Voltage Regulation** table, select **Disable** from the drop-down menu, and save the changes.

Name	Value	Actions
Voltage Regulation	Enabled	



an EnerSys® company

Method of Procedure

Field Details

Voltage Regulation

Disabled

Default: Enabled

Help

Regulation of the system output voltage should almost always be enabled. The only time you may wish to disable it is if you want avoid system voltage instability due to rectifiers from other manufacturers sharing the same output bus.

Cancel Save

4. Go to **System > DC System > Inventory > Battery**.
5. To remove the batteries from the system, select the **Remove** button in the battery configuration table.

Name	Value	Actions
Name	---	
Description	---	
Number of Cells per String	110	
Battery Voltage Source	Average All Battery String Voltages : Battery 220V/723	
Battery Current Source	Current : Battery Current Shunt (Shunt/894) : DC System 220V/187	
Battery LVD	---	

End of Method of Procedure
for Section 2

For assistance, contact Alpha Technical Support:
Toll Free North America: +1 888 462 7487
International: +1 604 436 5547
Monday to Friday, 7:00 AM to 5:00 PM Pacific Time for regular inquires
24/7 for emergency support
[Click here to report a problem](#)

For more information visit www.alpha.com

Page 4 of 4