Quantum®

Scalar SIR CRU - Power Supply Replacement

CRU stands for Customer Replaceable Unit. A CRU is a library component that can be installed or replaced by the owner of the library. The Scalar SIR library was designed so that many service functions can be performed by the owner.

Every Scalar SIR library module that contains redundant power supplies (2N). One power supply can be replaced with power applied to the other power supply.
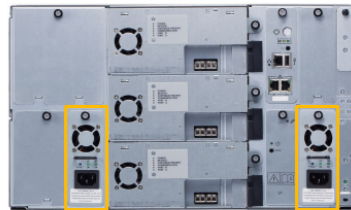
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Overview

The Scalar SIR power supply is highly efficient, rated at 80 PLUS®, a performance specification that requires an 80% or higher energy efficiency at 10, 20, 50 and 100% of rated load with a true power factor of 0.9 or greater.

The power supply connects to an outside power source and converts the input power to the AC and DC voltages used by the library components.

Item	Name	Description
1	LEDs	Power Supply LEDs provide you with visual information that let you know the power supply is working correctly. Normal indications: • Fault: Off • DC OK: Solid green • AC OK: Solid green If the Fault LED is solid blue, or if the other two LEDs are off, you should check for RAS tickets to learn how to resolve the problem.
2	Handle	Used to remove and install the power supply.
3	Thumbscrews	Used to secure the power supply to the chassis.

Remove Power Supply

Step 1 - Identify the Power Supply to Replace

There are several ways to identify the failed power supply:

Review WebGUI

In the WebGUI, you can refer to the RAS ticket for the power supply failure under **Status > RAS Tickets**.

You can also select the **Status** WebGUI option and review the system **Power Consumption** status. The power supply to be replaced will have a status of **Failed**.

Review Power Supply LEDs

Use the LEDs on the power supply to identify the failed unit. In a failed power supply, the Fault LED is illuminated, and the AC OK and/or the DC OK LED is off.
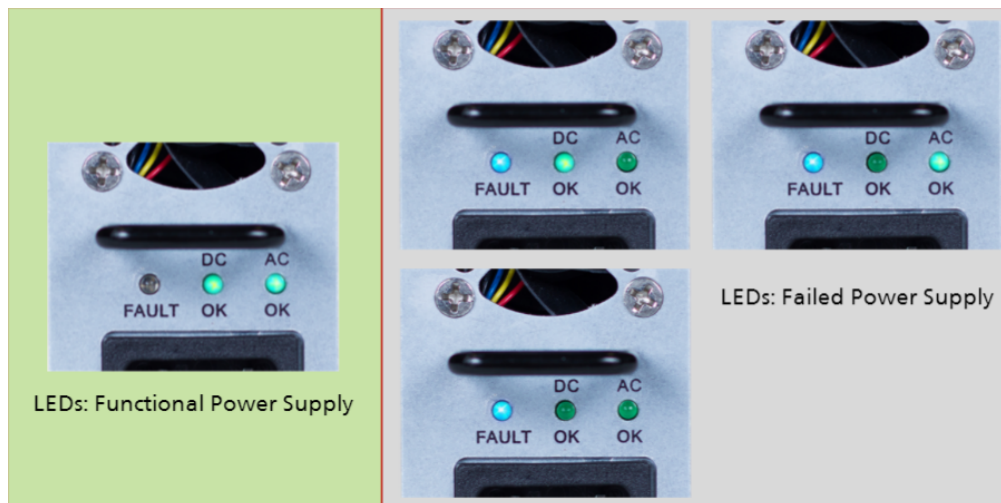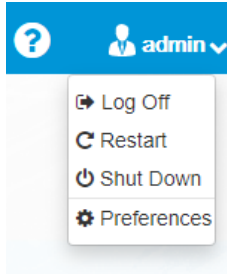

Step 2 - Remove the Power Supply

1. Power the library down. If you have redundant power you don't have to shut the library down. However, replacing a power supply with power applied will generate a RAS ticket.

    In the WebGUI, select **Shut Down** from the **admin** menu on the **Menu Bar**.

2. Unplug the power cord from the power supply.

3. Loosen the thumbscrew.

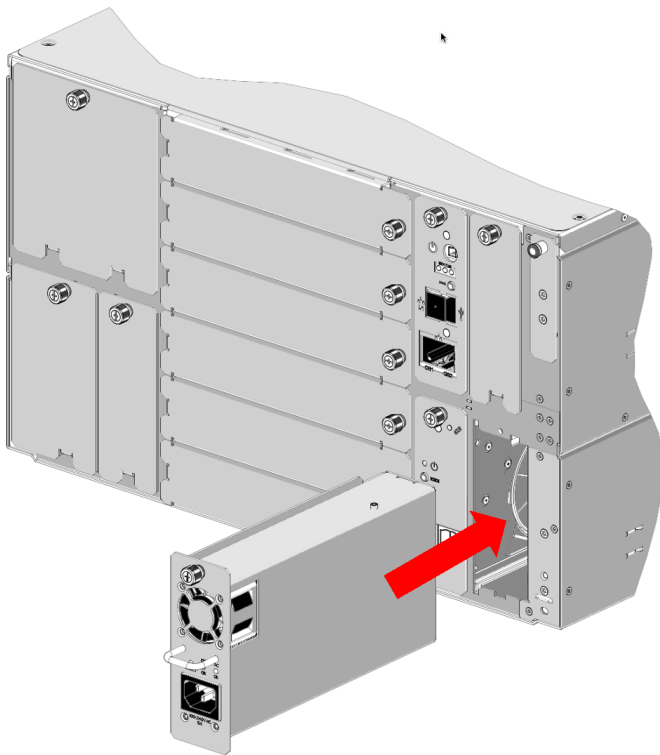4. Pull the handle and slide the power supply out of the module.
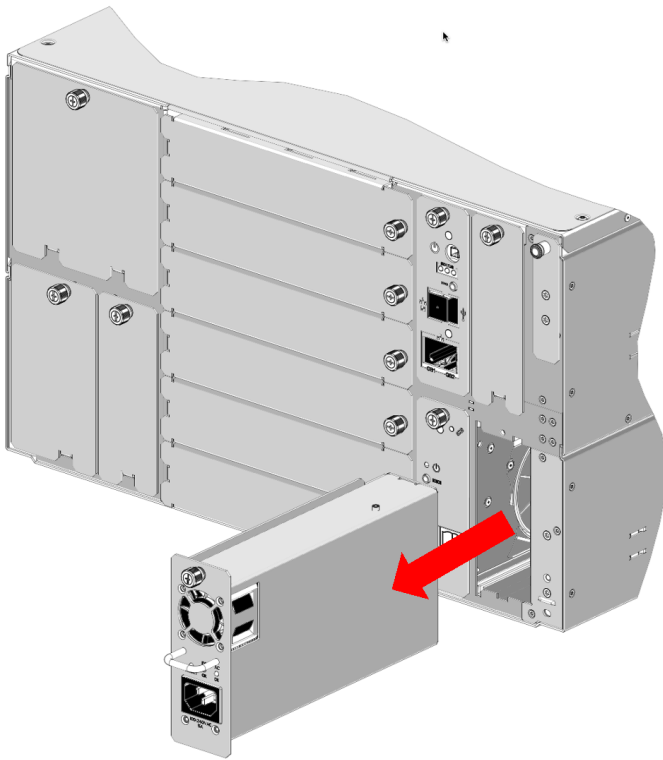
Replace Power Supply

Step 1 - Install the New Power Supply

1. Slide the power supply into its slot until the front bezel is sitting flush against the back of the module.

2. Tighten the thumbscrew until finger tight.

3. Plug the power cord into the power supply. The library will begin start up operations.

Contacting Quantum

Contacts

For information about contacting Quantum, including Quantum office locations, go to:

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For further assistance, or for training opportunities, contact the Quantum Customer Support Center:

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