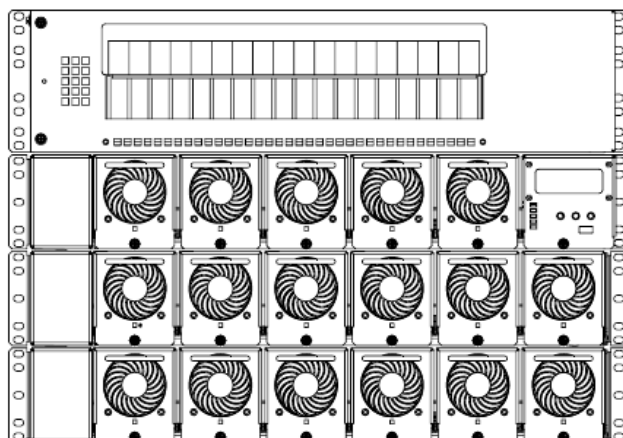




SAG582135000

System Application Guide

Spec. No. 582135000 (Model LXP48F1)

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SYSTEM OVERVIEW

Description: -48VDC power system @ up to 555 Amperes, 25000 Watts max.

The Model LXP48F1 is a complete Power System containing power conversion, intelligent monitoring and control, and distribution. An LXP Power System typically consists of...

- Distribution Cabinets

The system always includes a minimum of one Distribution Cabinet, which provides DC distribution through fuses and/or circuit breakers.

A variety of distribution options are available that provide combinations of load distribution, and Low Voltage Load or Battery Disconnect. Each Distribution Cabinet accepts Bullet Nose-type circuit breakers and TPS/TLS-type fuse holders.

- Power Shelf

The system can include from one to three front access Power Shelves. The Main Power Shelf houses the MCA and up to five (5) PCUs. Expansion Power Shelves each house up to six (6) PCUs.

- MCA

Located in the Main Power Shelf, the Meter-Control-Alarm assembly (MCA) controls the operation of all PCUs (17 max.) and provides system metering, control, and alarm functions. The MCA features a Web Interface for comprehensive remote monitoring and control capability.

- PCUs

Housed in the Power Shelves, the Power Conversion Units (PCUs) provide load power, battery float current, and battery recharge current during normal operating conditions.

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