

Product Features

- Compact DC Power Systems
-48V; +24V; 130V
- Integrated Management Screen
- Individual Circuit Protection for Battery and Load Outputs
- High Power Density
Switch-Mode Architecture
- Hot Swappable Rectifier Modules
- N+1 Configuration
- Dynamic Battery Recharge
- Equalize Charge Timer
- Optional LVD for Batteries
- Wide Temperature Range
- Integrated AC Main Protection
- Front Access Maintenance
- Designed to UL60950-1 Safety
- TUV/CE Approvals

Alarm & Control Interface

- LCD Display with Control Buttons
- Form-C Contacts
- Alarm History with Time Stamp
- Temperature Compensation
Voltage Control (sensor included)
- User Friendly Operation Interface
- System Status; System Capacity
- Field Replaceable Units
- High MTBF

Majorcharge® DC Power System



Product Overview

The Majorcharge rack mounted system offers capacities up to 100A@48VDC; 120A@24VDC or 40A@130VDC utilizing switch mode rectifiers and comes pre-configured with load & battery circuit breakers.

The system combines a compact sub-rack, modular rectifier design and cutting edge technology coupled with standard intelligent power management features like temperature compensation, voltage control, and optional battery LVD contactor.

Configure the power system to the needs of the application by installing hot swappable rectifiers. The integrated Alarm & Control Interface monitors critical system conditions and facilitates comprehensive system programming.

DC Power Solutions for Rack-Mounted Applications

Rectifier Selection Guide

The Rectifier module operates in a wide input VAC range (nominal 208 - 240V full power) and provides rated current over a temperature range of -5° C to +45° C. The advanced switch-mode design provides highly regulated, low noise DCV power at better than 89% efficiency. Forced air cooling is engineered with variable speed circuitry for efficient and low noise operation. EN60950-1 & CE Approved



Order Number	Output Current	Output Voltage: VDC
MCR24/40	40 A	24 V
MCR48/25	25 A	48 V
MCR130/10	10 A	130 V

System Selection Guide

Order Number	System Capacity	Rectifier	Battery LVD
MCS48/100XX-3U	25-100A	MCR48/25 (1 to 4)	
MCS48/100LX-3U	25-100A	MCR48/25 (1 to 4)	√
MCS24/120XX-3U	40-120A	MCR24/40 (1 to 3)	
MCS24/120LX-3U	40-120A	MCR24/40 (1 to 3)	√
MCS130/40XX-3U	10-40A	MCR130/10 (1 to 4)	
MCS130/40LX-3U	10-40A	MCR130/10 (1 to 4)	√

Standard Equipment – Each system includes:

- Integrated Alarm and Control Interface
- Control Software and LCD Screen
- Form-C Alarm Contacts
- Temperature Compensation Probe – 3M length
- 1 Load and 1 Battery Circuit Breaker
- 2 Pole AC Service Entry Circuit Breaker

Mechanical Overview Drawing:

