

## POWERFUL SOLUTIONS FOR CRITICAL DATA AND TELECOM APPLICATIONS

From major switching and data centers to remote shelters and computer rooms, Emerson Network Power DC power systems have the performance and features to match your network application needs.

### A Brilliant Combination Of Technology And Real-World Capability

The Emerson Network Power line of DC power systems demonstrates unparalleled reliability and industry-leading MTBF ratings. It includes power-factor corrected, AC/DC switch mode rectifiers, operating at 48 and +24 VDC. Emerson Network Power rectifiers—the heart of the power system—possess some of the highest power densities and smallest footprints in the business. These power solutions can be further enhanced with the addition of intelligent controllers, remote system monitors, battery management units and a full range of distribution modules.

### Emerson Network Power DC Power Solutions Are Ideal For

- Central Office
- Computer Room
- Data Center
- Enterprise (PBX, LAN)
- Network Closet
- Outside Plant: Broadband, Access and Wireless
- Radio Base Station / Microwave Site
- Wireless and Wireless Access

Business-Critical Continuity For Communications



## DC POWER SYSTEMS

# EMERSON NETWORK POWER HAS A DC POWER SOLUTION FOR EVERY SIZE REQUIREMENT

Emerson Network Power offers a complete range of power systems to meet the energy capacity needs of any data or telecom application. To view our complete DC Power catalog, visit [EmersonNetworkPower.com/DCPower](http://EmersonNetworkPower.com/DCPower).

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DC Power Systems

### EnterpriseIP™ Solution



AC powered DC UPS for VoIP and PoE applications

- Pre-engineered, space saving, high efficiency solution with flexible ordering configurations
- Easy to install and configure
- Plug-n-play integrated cabinet design
- Redundant architecture provides six nines availability
- Major components hot swappable
- Easily expands for future growth

### Medium DC Power Systems

#### -240VAC Single Phase

Modular, flexible design for switching, wireless base stations, transmission, LAN, WAN and other networking operations.



**LORAIN® VPS 486000 / 246000**  
Modular power system providing up to 6,000 amps of power for -48VDC or +24VDC systems



**NetSure™ 701**  
Modular power system providing up to 4,000 amps of power at -48VDC with 3200 watt PCUs

### Mini DC Power Systems

#### 120 VAC or 220/240VAC Single Feed

High-density mini-sized DC power solutions for outside plant enclosure, central office or embedded applications.



**NetSure™, 201 NMFB**  
Integrated power shelf holds up to six 400 or 800 watt rectifier modules in a 23" shelf solution, combining space efficiency and reliable rectifiers with an optimized controller



**NetSure™, 201 NNFB**  
Integrated power shelf holds up to two 400 or 800 watt rectifier modules in a 19" or 23" shelf solution, combining space efficiency and reliable rectifiers with an optimized controller

### Large DC Power Systems

#### 208/480VAC 3 Phase

Power systems for data center and central office applications, including wireline and wireless switching, transmission, data routing and large telecom hotels.



**LORAIN® PS 4810000 (LPS)**  
Integrated -48VDC 3 phase PCUs, distribution, control and monitoring in a single frame. Expandable to 10,000 amps with additional frames.

### Small DC Power Systems

#### 120 / 240VAC Single Phase

Highly reliable, uninterruptible and cost-effective power systems for small data or telecom installations.



**LORAIN®, XP 48450 / 48500 (LXP)**  
Compact expandable -48VDC from 25 to 425 amp for 19" or 23" rack mount applications with integrated battery management



**Candeo™ CSP 48300**  
**Candeo™ CSP 24300**  
Modular 23" rack-mount -48VDC or +24VDC power systems up to 300 amp



**LORAIN® CIP 4890 & 48120**  
Complete -48VDC system in one 19" or 23" rack-mount shelf with integrated distribution for mini to small-sized power applications that require up to 6,000 watts



**LORAIN® XP (LXP) 4870 / 4890**  
Builds upon the LXP 48500 platform, bringing internal distribution to the existing high capacity yet compact 2RU power shelf platform

### Inverter Systems

#### 120VAC and 230 VAC Single Phase

Ideal for a data center, wireless switching, or central office environment where flexible expansion capabilities are required.



**LORAIN® IS 21000**  
Modular inverter system Grows with 3.5kVA up to 21kVA



**LORAIN® IS 6000 Inverter System**  
Compact modular design offers expansion in 1kVA up to 6kVA



**LORAIN® IS 3000 Inverter System**  
Stand alone rack mounted design offers expansion in 1kVA up to 3kVA

### DC Power Distribution Equipment



**LORAIN® DB 48500** This modular system provides effective secondary load distribution for single or multiple -48VDC feeds.



**LORAIN® DB 484800**  
Battery Distribution Fuse/Circuit Breaker Bay featuring high capacity, front access, modularity, and simplified installation to effectively provide secondary load distribution and protection for multiple -48 VDC feeds up to 600 amps.

### Monitoring



**LORAIN® Monitoring System — LMS1000** This low profile modular design with input/output (I/O) networking capability and a fully integrated Ethernet port sets a new standard in the industry.

### Batteries & Accessories

Products frequently used together with DC power systems including batteries, battery strands, battery trays, bus covers, assorted panels, circuit breakers and much more.

### Enclosure Solutions

Custom designed or standard enclosures available for all types of data and telecom equipment.