DC Power Systems
Powerful Solutions for Critical Data and Telecom Applications

EMERSON™
Network Power

From major switching and data centers to remote shelters and computer rooms, Emerson DC power systems have the features and proven performance 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 efficiency ratings 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.

Mini DC Power Systems, 120 or 220/240VAC Single Feed

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

NetSure™ 201 2RU Configuration
Integrated power shelf holds up to six 800 watt -48VDC rectifier modules in a 23" shelf solution, combining space efficiency and reliable rectifiers with an optimized controller.

NetSure™ 201 1RU Configuration
Integrated power shelf holds up to two 800 watt -48VDC rectifier modules in a 19" or 23" shelf solution, combining space efficiency and reliable rectifiers with an optimized controller.

Small DC Power Systems, 120/240VAC Single Phase

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

NetSure™ 501
Featuring a high density 2RU system solution with an SCU controller and up to (3) 1800W NetSure™ rectifiers.

LORAIN® XP 4870 / 4890
Builds upon the LXP 48500 platform, bringing internal distribution to this high capacity yet compact platform.

LORAIN® XP 48450 / 48500
Compact expandable -48VDC from 25 to 425 amps for 19" or 23" rack mount applications with integrated battery management.

Medium DC Power Systems, 240VAC Single Phase

Modular, flexible design for switching, wireless basestations, transmission, LAN, WAN & other networking operations.

NetSure™ 700
The NetSure™ 700 power system with 2500 watt rectifiers and 1500 watt converters is a modular power system providing up to 4,000 amps of power at +24VDC and 400 amps at -48VDC.

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

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Emerson DC Power Solutions are Ideal for...

- CATV Headend
- Central Office /MTSO
- Computer Room

- Data Center
- Enterprise (PBX, LAN)
- Network Closet

- Outside Plant Shelters & Cabinets
- Radio Base Station / Microwave Site
- Wireless & Wireline Access

Large DC Power Systems, 208/480VAC 3-Phase

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

NetSure™ 801

The NetSure™ 801 high-density power system offers the increased flexibility of a cabled plant in a centralized or distributed architecture. The system consists of individual power bays and distribution bays that may be configured with modular 5800 watt rectifiers that operate at **93% efficency** to meet any -48 volt application requirement.

NetSure™ 802

Integrated -48VDC 3-phase rectifiers, distribution, control and monitoring in a single frame. Expandable to 16,000 amps with additional frames.

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.
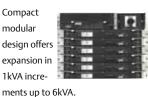
Enclosure Solutions

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

Batteries & Accessories

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

LORAIN® BD 800

Battery disconnect that provides disconnection and overcurrent protection from 300A to 800A for +24VDC or -48VDC battery strings.

Inverter Systems

LORAIN® IS 21000

Modular inverter system that grows in 3.5kVA increments up to 21kVA.

LORAIN® IS 6000

Compact modular design offers expansion in 1kVA increments up to 6kVA.

LORAIN® IS 3000

Stand alone rack-mounted design offers expansion in 1kVA increments up to 3kVA.

Emerson (NYSE: EMR), based in St. Louis, Missouri (USA), is a global leader in bringing technology and engineering together to create innovative solutions for customers through its network power, process management, industrial automation, climate technologies, and appliance and tools businesses. For more information, visit: **Emerson.com**.

Emerson Network Power, a business of Emerson (NYSE:EMR), is the global leader in enabling *Business-Critical Continuity*™ from grid to chip for telecommunication networks, data centers, health care and industrial facilities. Emerson Network Power provides innovative solutions and expertise in areas including AC and DC power and precision cooling systems, embedded computing and power, integrated racks and enclosures, power switching and controls, monitoring, and connectivity. All solutions are supported globally by local Emerson Network Power service technicians. For more information on Emerson Network Power's full suite of solutions specifically supporting the communications network infrastructure, including NetSpan™, NetReach™ and NetXtend™ outside plant enclosures and equipment, NetSure™ DC power systems, and turnkey services, visit: **EmersonNetworkPower.com/EnergySystems**.

Learn more about Emerson Network Power products and services at: **EmersonNetworkPower.com**.

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The global leader in enabling *Business-Critical Continuity*™.

AC Power	Embedded Computing	Outside Plant	Racks & Integrated Cabinets
Connectivity	Embedded Power	Power Switching & Controls	**Services**
DC Power	Monitoring	Precision Cooling	Surge Protection