

Solutions for
Business-Critical Continuity™

Emerson Network Power

Solutions for SMB Market



EMERSON™
Network Power

Do you prefer to spend your time
figuring out the right solution...



...Or getting peace of mind to manage your business?



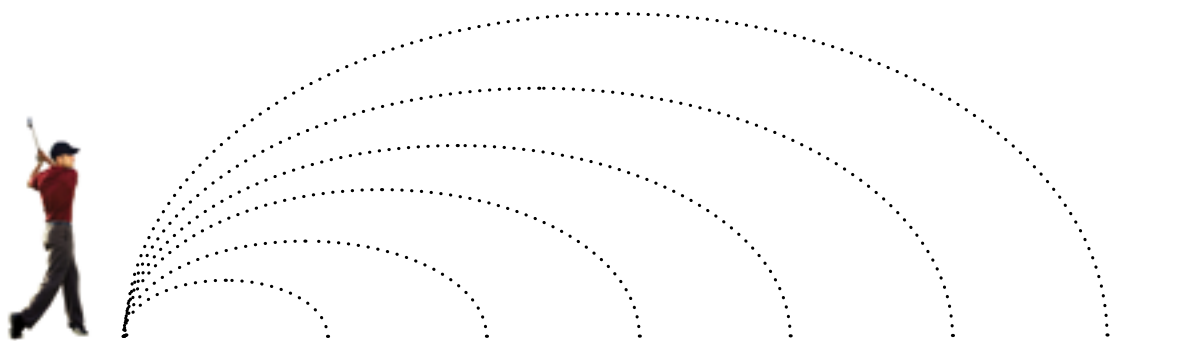
Emerson Network Power: technologies that provide our customers with a distinct competitive advantage.



IT Managers of Data Centers and Enterprises are today facing many increasing challenges: higher density IT infrastructures, multiple suppliers for multiple critical equipment (power, cooling, cabling, racks), energy efficiency issues.

Emerson Network Power offers integrated, pre-engineered IT Solutions for SMB.

Our racks, UPS, cooling equipment, power distribution and cable management solutions, supported by reliable monitoring systems, represent the right choice to rely on to build data centers of today and of the future.



Get your peace of mind in six steps thanks to the Emerson Network Power IT integrated solutions:

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6
P. 4-5	P. 6-7	P. 8-9	P. 10-11	P. 12-13	P. 14-15
Racks and enclosures to speed up reconfiguration.	Rack power distribution units for IT critical equipment.	AC Power units for high availability systems.	Precision Cooling solutions to save energy and money.	Monitoring systems to predict the unforeseen.	Service , to manage the health of the IT infrastructure.

Speed of deployment and reconfiguration are key to your business: support them.

RACK IT

Knürr Racks and Enclosures



Emerson Network Power racks and enclosures are designed to simplify the first installation and all subsequent reconfigurations.

A future-proof architecture, based on optimized air flow and a complete set of accessories, allows the infrastructure to support system growth and updates.

The Knürr Miracel® is a truly multitalented and innovative platform which already sets new recognized standards.

■ **Ideally suited for:**

- Data centers
- Network closets
- Telecommunication equipment

■ **Key features:**

- Modular construction
- Cable management
- Thermal integrated power distribution
- Server rails
- Multifunctional roof





STEP 1

Choose the best rack

■ Key benefits

- Facilitates easy mounting of equipment and accessories almost anywhere in the cabinet, due to patented aluminum extrusion channels
- Allows customization with standard accessories
- Offers standard power strip mounting bracket that allows power strips to be mounted virtually anywhere in the cabinet
- Uses a standard cable management system, eliminating the need for a special system

Growth and changes are part of your IT investment.

CONNECT IT

Rack Power Distribution Unit for critical IT equipment



Data centers are moving to high density blade servers with more processing power in less rack space, simplifying cabling and reducing power consumption.

Efficient and flexible power distribution is a key factor to support today's and future technologies and the increasing demand for power saving.

Emerson Network Power offers a family of rack power distribution solutions to meet IT needs - from basic distribution to adaptive, scalable systems with hot swappable power modules and full monitoring and control capabilities to the receptacle level.

■ **Adaptive Rack PDU: Liebert MPX**

- Modular, adaptive rack-installed power strip
- Monitors and controls at the equipment level
- Offers single-phase and three-phase models

■ **Managed Rack PDU: Liebert MPH**

- Managed rack-installed power strip
- Monitors and controls at the equipment level
- Offers single-phase and three-phase models
- Common monitoring platform with Liebert MPX

■ **Basic Rack PDU: Knürr D-Strip**

- Basic rack-installed power strip
- three-phase or single-phase models
- Rackmount and vertical mount configurations
- Robust package
- Common monitoring platform with Liebert MPX



Liebert MPX



Liebert GXT2





STEP 2

Choose the right power distribution solutions

■ Key Benefits

- Scalable design allows on-site configuration
- Allows user to add individual hot-swappable modules as power demand grows
- Position input power module for top or bottom rack entrance
- Controls and manages individual receptacles and or groups of loads and devices

Availability is crucial.

POWER IT

Uninterruptible Power Supply for all needs: from desktop to large systems



Liebert GXT2

From desktop to rackmount to room systems, no one delivers power protection with more reliability and flexibility than Emerson Network Power and its family of Liebert UPS (Uninterruptible Power Supply).

The UPS is the heart of the energy system, providing battery backup and power conditioning that increases availability and system performance.

Our UPS systems are available in a wide range of sizes so they can be matched to the exact needs of the application.

■ Ideally suited for:

- SoHo (Small Office, Home Office), 350VA to 1500VA, Power Protection for Individual PCs
- Network and Rack, 500VA to 100+kVA: protection for networks and electronics in rack environments
- Medium-Large facilities, 100kVA to 1000kVA protection and back-up for large data centers

■ Key features:

Liebert technologies are available in passive standby, line interactive and double conversion topologies to meet the requirements of any application





STEP 3

Get the best-in-class power supply system

■ Key benefits

- Surge suppression for high quality output characteristics
- Battery backup
- Redundant configurations and dual bus capabilities ensure continuous operation for critical systems
- High availability UPS for Mission-Critical Applications

Efficient cooling is a priority for energy and money saving.

COOL IT

Precision Cooling solutions: Liebert CRV



Although temperature and humidity control are key factors to avoid system outage, nonetheless energy saving is the decisive variable for data center managers looking for the right cooling equipment.

The Liebert CRV is a self-contained precision cooling unit, designed for cooling rows of racks in small and medium data centers. Placed close to the heat source, the Liebert CRV continuously monitors temperature and instantly delivers the most efficient and effective cooling.

Liebert CRV, designed using advanced, computer-aided fluid dynamic technology, features the best possible air distribution.

■ Ideally suited for:

Rack-level cooling, being specifically designed for high return air temperatures

■ Key features:

- EC Plug Fans
- iCOM Large Graphic Display
- EC Fans to regulate the airflow and reduce the fan input power
- Copeland Digital Scroll to modulate the cooling capacity
- iCOM control to monitor the heat load variations



Liebert GXT2



Liebert CRV



Liebert MPX





STEP 4

Choose the best cooling system

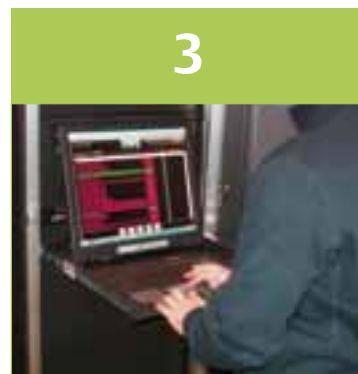
■ Key benefits

- Easy to install and configure
- Optimized air distribution, to maximize efficiency and energy savings
- Continuous temperature monitoring and control
- For large scale applications, Liebert CRV can be combined with X-treme density solutions

Knowledge is a key to grow.

MONITOR IT

Monitoring System with predictive analysis capabilities



Critical systems are the lifeblood of your operations. If something should happen to them, you are simply out of business.

Computing, communications and industrial process control facilities all depend on power protection and mission-critical air control systems to maintain their operations.

Liebert monitoring systems are the solution for continuous control of all the vital parameters of the infrastructure from single modules to the entire data

■ **Ideally suited for:**

- Computer rooms.
- Process areas
- Telecom switch rooms
- Remote telecommunications shelters
- Telecommunications closets
- Electrical rooms

■ **Key features:**

- Automatic shutdown
- Fluid leak detection
- Third party equipment monitoring
- Local and remote site monitoring
- Predictive analysis features





STEP 5

Monitor your infrastructure

■ Key Benefits

- Provides cost-efficient, centralized monitoring of various power and environmental units utilizing an existing network infrastructure
- Offers comprehensive, centralized monitoring, control, data analysis and reporting for a full range of computer support systems
- Integrated in the NMS of the IT Infrastructure through the SNMP and HTTP interfaces

IT is continuously evolving:
enjoy peace of mind.

MAINTAIN IT

Manage the health of your critical infrastructure

Today's complex facility support systems -everything from precision air conditioning to UPS and alarm monitoring - have become critical.

That's why you need to manage the health of your entire critical infrastructure with a service partner who can offer you Business-Critical Continuity™; the kind of protection Emerson Network Power Services provides.

Emerson Network Power's approach to servicing your critical space covers all aspects of availability and performance, from individual power and cooling equipment to the entire mission-critical system.

■ Proper Service enables Business-Critical Continuity™

Our services deliver superior performance in three critical areas:

- **Up-time assurance**
- **Downtime recovery**
- **Return on investment**

We are dedicated to blending insight and innovation with sophisticated technologies to deliver ever-increasing system availability.

Emerson Network Power is the industry force behind the next generation of mission-critical services.

These services are designed to adapt to the changing needs of your business, and deliver protection when and where it's needed.

We have the deepest, most comprehensive global service presence in the industry, and we're your only source of instant access to vital information on your Liebert® and Emerson® products.

We provide such an array of services for one simple reason: so you have the time and resources to concentrate on your own customers.

*We take care of the technology;
you take care of your business.*





STEP 6

Choose the right service

■ Key Benefits

- An availability assessment to identify any existing vulnerabilities as well as future risks
- Services to monitor your support network, maintain and replace batteries, service critical power and UPS systems, identify hidden dangers and plan for future growth
- Professional management services for complex networks
- Customized monitoring and support packages



Emerson Network Power

Business-Critical Continuity™ to keep you going strong

Centers of Expertise

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

Regardless of your size, you can't afford for your critical business systems to go down.

At Emerson Network Power, we've built our capabilities – and stake our reputation – on delivering reliable power, precision cooling, connectivity and embedded solutions so your technology investment can keep delivering at its peak.

Emerson Network Power's broad technology offering and deep expertise support a full spectrum of enterprise-wide solutions for today's vital business needs.

Around the world, customers like you count on us to get the most out of their critical investments, knowing that we deliver purpose-driven innovation and optimized solutions from a single global source, one that is backed by local service and support.

Our ability to keep your network infrastructure up and running, regardless of whether the content is voice, data or multi-media, comes from a time-tested grid-to-chip portfolio of products, services and systems that can maintain a wide range of computing, telecom, healthcare and industrial applications.

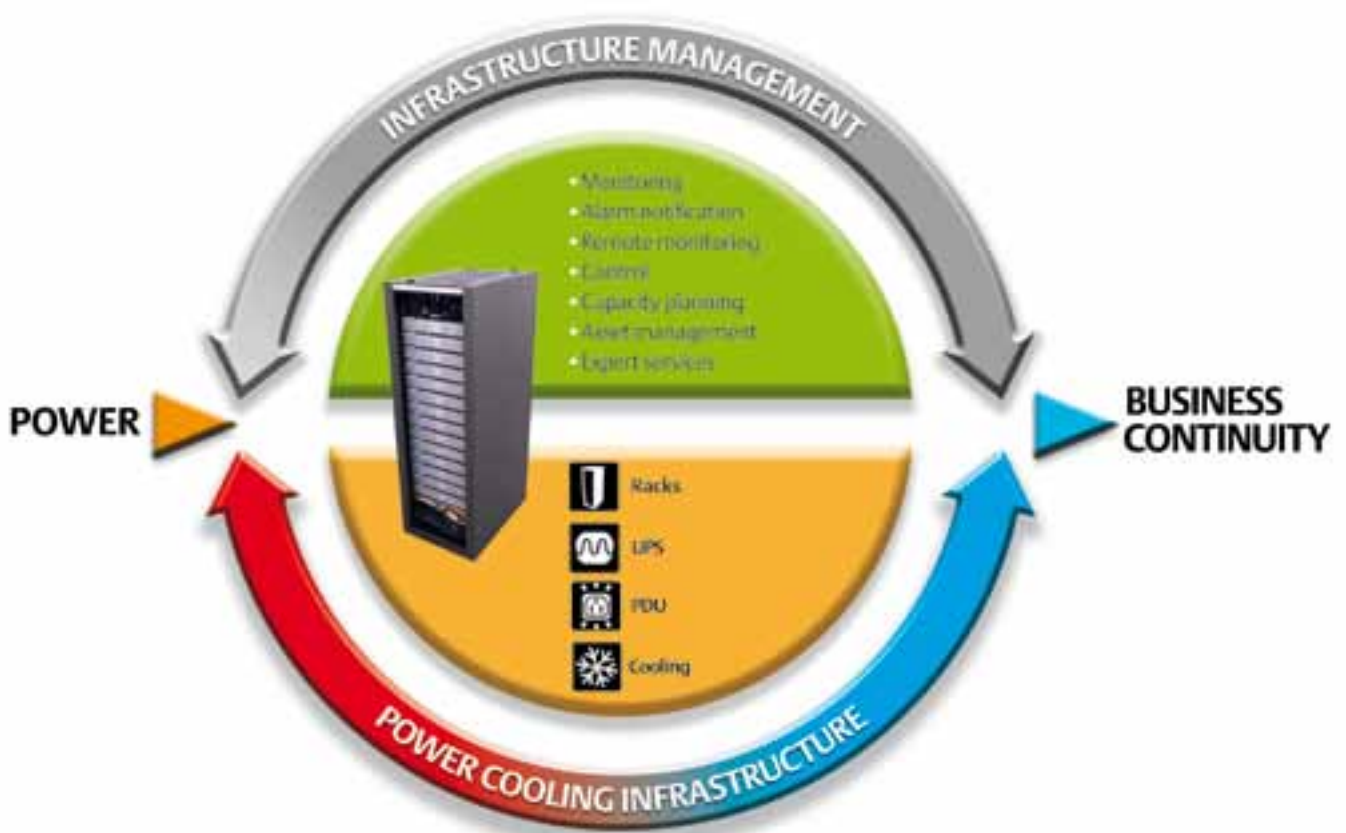
The result is a level of confidence achieved only by partnering with Emerson Network Power.

We're here to prepare you for the unknown, whatever comes your way, navigating with you through changing business environments and the uncharted demands they place on your technology investment. That's what we mean by **Business-Critical Continuity™**



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





Today's successful businesses depend on adaptable technologies to help them respond quickly to market demands. Your data center must be built on a support infrastructure designed to match the power and cooling needs of rapidly changing IT initiatives such as virtualization and consolidation. Each IT change, move or addition will affect the entire support infrastructure so you need products and support that ensure your IT systems will operate reliably in these environments.

Get More on line: www.eu.emersonnetworkpower.com



More than 35,000 organizations in 70 countries depend on our Business - Critical Continuity™ Promise: your IT infrastructure stays up to support your Business!

Ensuring The High Availability Of Mission-Critical Data And Applications.

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. Learn more about Emerson Network Power products and services at www.emersonnetworkpower.com

Contacts:

Emerson Network Power has a worldwide network of Sales Representatives Offices and Distributors. To get the list of the nearest in your country, send an e mail to: **Liebert.emea@emerson.com** you'll get an immediate reply with the contacts details you are looking for.

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Emerson Network Power™

The global leader in enabling Business-Critical Continuity™

- AC Power
- Embedded Computing
- Outside Plant
- Racks & Integrated Cabinets
- Connectivity
- Embedded Power
- Power Switching & Control
- Services
- DC Power
- Infrastructure Management & Monitoring
- Precision Cooling
- Surge protection

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