Emerson Network Power Rack PDU Solutions
Rack Power Distribution For Critical IT Equipment
Enhanced Performance And Management Of Dynamic IT Spaces

IT space is a dynamic environment. 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—you need products and support that ensure your IT systems will operate reliably in these environments.

Emerson Network Power’s portfolio of products from brands such as Liebert, Knurr, Alber, Aperture, and ASCO provide innovative, flexible solutions that ensure reliability and efficiency. With the help of monitoring and management tools from Emerson Network Power, the result is an infrastructure that will enable you to proactively manage your critical IT spaces.

The Rack PDU family of products is the connectivity point of IT systems into your power and cooling infrastructure and the critical interface to an efficient and effective infrastructure management ecosystem.
Emerson Network Power Rack PDU Family: Distribution Solutions From Basic To Adaptive

**Liebert MPX—Adaptive Rack PDU**
Delivers breakthrough, configurable/modular power and management technology. Its ability to increase availability and provide comprehensive control and metering capabilities are examples of pure innovation.

Liebert MPX is the perfect choice for a dynamic data center which frequently adds and moves equipment, and for any data center deploying or planning to deploy virtualization.

**Liebert MPH—Managed Rack PDU**
Offers several levels of metering in addition to control capabilities of connected equipment—a perfect solution for growing operations.

**Knurr DI-STRIP—Basic Rack PDUs**
For data centers with basic distribution needs, Emerson Network Power manufactures Basic Rack PDUs that deliver simple and expandable distribution in a robust package.

Infrastructure Management: The Key to Productive Operations

Improve the performance and management of your IT infrastructure with Liebert monitoring and control systems.

Liebert MPX and Liebert MPH include the following capabilities:

- Web-based monitoring
- Centralized management capabilities through Rack Power Manager software or Liebert Nform software
- Liebert SiteScan centralized monitoring
- User located local display with the ability to view up to four PDU’s
- Liebert SN rack sensors
Confidently take on the uncertain future of connected power requirements with Liebert MPX, the most responsive and adaptive rack PDU available. With Liebert MPX adaptive technology, you can economically increase availability of critical systems by leveraging hot-swappable modular power and managing power all the way to the receptacle level.

Liebert MPX Benefits:
- **Adaptive** capacity, distribution, monitoring, control and management of critical devices
- **Flexibility** to respond to constant change
- **Buy only what you need** and build on your investment
- **Secure communication**

**Reconfigurable Power Capacity & Distribution**

Liebert MPX is the perfect choice to respond to the needs of a growing data center. Relocate or add IT equipment to support changing needs, by easily reconfiguring the power input and distribution.

**Designed for Critical Environments**
- **Industry leading operating temperature**—up to 55˚C / 131˚F to support hot internal rack environments
- **Accurate power metering** of +/-1% voltage & current for assured oversight
- **Energy and power metering** down to the individual receptacle
- **Comprehensive alarming** including notification of overloaded branch circuits
- **Environmental sensing** with threshold and alarm set-points
- **Notification** on the loss or removal of individual rack equipment loads

**Fits Needs Now And Later**

Liebert MPX provides a wide selection of single phase and three-phase power input configurations—with the ability to field change while maintaining distribution infrastructure.

**Perfect For Blade Servers And Changing Environments**

Data centers are moving to high density blade servers to utilize more processing power in less rack space, simplify cabling and reduced power consumption. Liebert MPX allows the data center to respond quickly to change, making it the right choice to manage the infrastructure.
The Liebert MPX Adaptive Rack PDU features essential characteristics to support fast-paced, growing data centers.

**Scalable Design Allows Onsite Configuration To Fit Immediate IT Equipment Needs.**

- Input Power: may be reconfigured to support changing power needs, single and three phase input
- Can be positioned for top or bottom rack entrance

**Hot Swappable Output Power** deploy easily to get IT equipment online quickly

**Receptacles & Modules** may be remotely controlled and metered, providing operator flexibility and allowing increased site security

**Status Display (RPC-BDM)** is easily moved to the most convenient spot for the individual rack—even outside the rack. This tethered display may be located for user convenience.

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**Quick Guide**

**Liebert MPX**

**INPUT POWER**
- Reconfigurable—20 to 60 amp (NA); 16 to 63 amp (EU); single and three phase

**OUTPUT DISTRIBUTION**
- Scalable, mix compatible & hot-swappable
- Single phase NEMA 5-20R, IEC-C13, IEC-C19, Schuko
- Load balanced selection

**MODULARITY**
- Input power, output distribution, communications, and display
- Add connectivity with basic rack
- PDU expansion unit

**METERING**
- (1) Receptacle + Branch Receptacle Module + Aggregate Rack PDU
- (2) Branch Receptacle Module + Aggregate Rack PDU
- Mix compatible levels (1) & (2)
- Environmental sensors – Temperature & humidity

**REMOTE RECEPTACLE CONTROL**
- Receptacle level

**LOCAL MONITORING**
- User located display

**REMOTE MONITORING**
- Secure Web/SNMP Interfaces
- Liebert Nform
- Liebert SiteScan Web

**OVERLOAD PROTECTION**
- Physically and electrically isolated breaker per receptacle module
- Hydraulic-Magnetic breaker

**RACK PDU ARRAY™**
- Single IP for up to 4 Rack PDU’s
- Liebert MPX and Liebert MPH on same private network

**FORM FACTOR**
- Vertical mount (Zero U)
- Fits in typical deep 23/42U racks and/or 800mm width racks
Liebert MPX allows you to add or change distributed power without powering down. The hot-swappable receptacle modules allow for easy upgrading, and get IT equipment online quickly.

Change input power configuration to support dynamic environments while maintaining distribution and communications infrastructure.

**Adaptive Rack PDU**

Liebert MPX is an adaptive Rack PDU system that provides AC input power, output distribution, and critical IT-quality performance via its scalable, modular architecture.

- **Power Rail Chassis (MPX PRC)** distributes power and communications to all of the support modules.
- **Branch Receptacle Modules (MPX BRM)** provide output power connectivity and communications management.
- **Power Rail Spacer** covers the unused space until an MPX module is needed.
- **Branch Receptacle Modules (MPX BRM)**
- **Power Entry Module (MPX PEM)** connects input power to power rail chassis.
- **Power Entry Module Card (Liebert RPC)** mounts in the Power Entry Module and provides upgradable network communications, sensor and local display interface.
- **MPX PEM variable capacity module**, 30A (NA)/32A (EU) and below 1 or 3 phase applications. Detachable power cord supports changing input power requirements.
- **MPX IPC (Input Power Cord)** allows easy power reconfiguration to change input power to meet changing requirements. For MPX PEM variable capacity modules.
Monitoring Anywhere You Need It
From the individual receptacle of each discrete device to the complete rack PDU, monitoring is available to meet user needs. Displays are designed for easy user location to fit changing site needs.

Display and sensors are designed for easy mounting on the rack. A single display can manage up to four Liebert MPX or Liebert MPH systems and associated monitoring accessories.

**RPC-BDM**
displays power parameters and alarms for up to four Liebert MPX or Liebert MPH systems.
Display orients for horizontal or vertical installation and reading.

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**Liebert MPX Benefits:**

**Flexibility**
- Allows user to add individual hot-swappable modules for capacity as demand grows
- Offers the ability to change input capacity or configuration while maintaining Rack PDU infrastructure
- Provides for user located local and remote monitoring and management of connected loads
- Change monitoring and control functionality or mix on a single MPX to suit requirements.
- Position input power module for top or bottom rack entrance.

**Higher Availability**
- Controls and manages individual receptacles and or groups of loads and devices
- Predicts overcurrent conditions before they become critical
- Shuts down non-essential equipment during power outages to maximize availability and back-up power
- Expanded branch overload protection minimizes threat of cascading PDU overload
- Reliably delivers connected UPS power to the protected equipment

**Lowest Total Cost Of Ownership**
- Provides the most cost-effective design available—build, add on, or modify the platform design
- Allows redeployment of modules to suit changing needs
- Energy metering provides users the information to maximize the data center power and cooling infrastructure
- Liebert MPX modularity and flexibility extends the useful life of the infrastructure investment
- Employs energy efficient receptacle control technology

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Liebert MPX may be remotely monitored and controlled via secure web/SNMP interfaces or Liebert Nform or Liebert SiteScan Web.
Liebert MPH—Managed Rack PDU: Advanced Monitoring And Control Support

Liebert MPH is a flexible Rack PDU solution with remote monitoring and control capabilities as well as environmental input options. It offers multiple power input selections and output configurations in both vertical zero-U and rackmount form factors. Up to four Liebert MPH PDUs may be interconnected as a Rack PDU Array™, consolidating user IP connections and device monitoring.

**Liebert MPH Monitoring And Control Support**

Monitored electrical parameters include: voltage, current, real and apparent power, power factor, and accumulated energy or consumption. Capacity based current thresholds provide comprehensive alarm notifications from the Rack PDU and branch.

**Liebert MPH Can Benefit Your Data Center**

- Monitors electrical and environmental parameters with set threshold and alarm tools
- Controls access of receptacle power
- Controls and manages individual receptacles and/or groups of loads and devices
- Allows you to predict failing conditions before they occur and proactively manage connected equipment for maximum uptime

**Liebert MPH Benefits:**

**Flexibility**

- Local displays are easily located to suit a crowded and changing rack environment
- Supports mounting in 19” EIA, 42U rack environments—Offered in vertical, zero U and rackmount form factors
- Provides a compatible monitoring platform for Liebert MPH and Liebert MPX, offering seamless common operation if deployed together
- User positioned input power cord interface

**Higher Availability**

- Controls and manages individual receptacles
- Predicts overcurrent conditions before they become critical
- Shuts down non-essential equipment during power outages to maximize availability and back-up power
- Expanded branch overload protection minimizes threat of cascading PDU overload
- Industry leading operating temperature—up to 55˚C / 131˚F to support hot internal rack environments

**Lowest Total Cost Of Ownership**

- Provides full featured monitoring and control in a cost effective package
- A Rack PDU Array shares a single IP address for up to four Rack PDUs, making deployment faster and easier
- Energy and power metering provides users the information to maximize the data center power and cooling infrastructure
- Employs energy efficient receptacle control technology
Liebert MPH

With single or three phase power input, the Liebert MPH PDU provides output as single phase power and is offered in vertical, Zero U and rack mount form factors to support mounting in 19" EIA 42U rack environments.

Status Display (RPC-BDM) provides users optimal local display positioning by allowing mounting on rack doors or wherever best suited for a changing rack environment.

Quick Guide

**Liebert MPH**

**INPUT POWER**
- 20 to 60A amp (NA); 16 to 32 amp (EU); single and three phase

**OUTPUT DISTRIBUTION**
- Single phase NEMA 5-20R, IEC-C13 & IEC-C19; Combination systems

**MODULARITY**
- Modular card-based communications and display
- Add connectivity with basic rack PDU expansion unit

**METERING**
- Branch and aggregate Rack PDU
- Environmental sensors – Temperature & humidity

**REMOTE RECEPTACLE CONTROL**
- Receptacle level

**LOCAL MONITORING**
- User located display

**REMOTE MONITORING**
- Secure Web/SNMP Interfaces
- Liebert Nform
- Liebert SiteScan Web

**OVERLOAD PROTECTION**
- Breaker per branch as required
- Hydraulic-Magnetic breaker

**Rack PDU Array**
- Single IP for up to 4 Rack PDU’s
- Liebert MPX and Liebert MPH on same private network

**FORM FACTOR**
- Vertical mount (Zero U)
- Rackmount

Liebert MPH may be remotely monitored through a variety of convenient interfaces.
Rack PDU Power Management And Monitoring Interfaces

**Avocent Rack Power Manager software**
- Centralized configuration, event logging and management of all Rack PDUs
- Centralized permissioning and remote authentication leveraging Active Directory, LDAP, Radius, Kerberos etc.
- Grouping capabilities for power control or for power consumption reports
- Canned and custom power consumption reports with scheduling option

**Secure Web/SNMP Interfaces**
- User configured alarm thresholds
- High alarm and warning; low alarm
- Receptacle state and sequencing configuration
- Electrical metering, volts, amps, kW & kW/hr
- Rack PDU Array—Device consolidation
- PDU Explorer—Intuitive hierarchical interface
- View PDU status by strip or receptacle
- Device Explorer—Browsing by user defined device name

**Liebert Nform IT Based Centralized Monitoring Software**
- Trending of power data
- Receptacle group control

**Liebert SiteScan Web**
- Centralized monitoring software
- Provides real-time monitoring and control

**Infrastructure Management**

**Optional Hardware**

**RPC-BDM Local Display Module**
- Electrical and environmental parameters
- One RPC-BDM supports up to 4 PDUs on array
- PDU explorer
- Device Explorer

**Liebert SN Family Of Rack Sensors**
- Modular and integrated systems
- Temperature, humidity and contact probes
- Auto-config – no set-up required
Rack PDU Connectivity And Rack PDU Arrays

Rack Power Manager
Web Monitoring
Liebert Nform / Site Scan Web
Network Management System

Liebert MPX
Liebert MPX
Liebert MPH
Liebert MPH

User’s Server Rack
User’s Server Rack

Environmental Sensors

Liebert MPX-BRM (Branch Receptacle Module) Branch Monitoring
Liebert MPX-BRM Receptacle Management

RPC-BDM (Local Display Module)

Power Source A
Power Source B

MPX-PEM (Power Entry Module)
Knurr DI-STRIP: Basic Rack PDUs, Standard And HighPower Systems

Knurr Basic Rack PDUs are the right answer for data center users selecting robust, economical and flexible rack power solutions.

Knurr DI-STRIP® Power Strips meet a broad range of power distribution requirements for IT and other applications. Designed especially to handle the growing number of electronic components that can be housed within network cabinets and server racks, the space saving product line is available with a range of accessories including circuit breakers, overvoltage protection and more.

**Knurr DI-Strips Benefits:**

**Flexibility**
- Multiple configurations and input power options available including international compatibility
- The addition of the Basic Rack PDU Expansion Unit allows for growth
- 10ft. (3m) power supply cable offers room for movement

**Higher Availability**
- Reliable and robust solution
- Worldwide approvals and certification
- Full-length brass busbar on Standard models enhances operational reliability
- Standard system extruded casing, and HighPower system heavy duty casing provide durability
- Industry leading operating temperature—up to 55 °C / 131 °F to support hot Internal rack environments

**Lowest Total Cost of Ownership**
- Simple and quick installation on the rack’s extrusion requires minimal space and reduces installation time
**Knurr Di-STRIP**

**INPUT POWER**
- 15 to 60 Amp (NA); 16 to 32 Amp (EU): Single and three phase
- Single or dual input feed

**OUTPUT DISTRIBUTION**
- Single phase, NEMA 5-20R, IEC-C13 & C19, Combination systems

**MODULARITY**
- Add connectivity with basic rack PDU expansion unit

**METERING**
- Panel level via Liebert LDM monitoring

**OVERLOAD PROTECTION**
- Breaker per branch as required
- Hydraulic-Magnetic breaker

**FORM FACTOR**
- Vertical (Zero U) mount
- Rackmount

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**The Basic Rack PDU Expansion Unit allows for system growth of any Rack PDU system – Liebert MPX, Liebert MPH, or Knurr Di-STRIP.**

**Construction**
Extruded casing and full length brass busbar enhance the durability and reliability of the Standard systems.

Heavy duty casing and reduced wiring contact points are quality features of the HighPower systems.

**Models And Configurations**
Available in a wide variety of models and power configurations to meet most site needs.
Power Distribution And Racks To Build A Reliable, Adaptive IT Environment

Flexible Data Center Equipment Rack Systems
Emerson Network Power delivers rack systems compatible with our rack PDUs, which also provide a matching line-up when deployed with Liebert row-based power and cooling products.

Optimized and Modular Rack Systems
The convenience of robust 19" racks with high end features and standardized options to provide fast customization for individual site needs. These racks are designed for optimized air flow and maximized useful mounting space.

- Fully assembled racks
- Side panels
- Improved airflow with up to 83% open area on perforated doors – the industry’s highest
- Enclosure height of 42U or 48U
- Widths of 600mm or 800mm
- Depth of 1100mm or 1200mm
- Mounting and cable management options, including tool-less options
- Low profile casters

DCF Optimized Rack

- Welded steel construction
- 75% perforation on doors
- Split, locking side panels
- 42U cabinet fits through standard doorways
- Tool-less cable management

Liebert FDC—Rack-Size Power Distribution Solutions For Growing IT Operations
Integrate power distribution into the rack environment with the rack-sized Liebert FDC power distribution cabinet. The stand-alone cabinet blends physically and cosmetically with rack equipment, while offering the distribution capabilities of a much larger unit. (North American applications)

Liebert FPC—Power Conditioning And Distribution Cabinet For High Density Data Centers
The rack-size Liebert FPC power conditioning and distribution cabinet provides higher quality, more flexible power distribution for high-density data centers. It is engineered to combine the convenience and cost savings of a pre-packaged, factory-tested unit with the flexibility of a custom-tailored power system. This self-contained system provides power isolation, power distribution, computer-grade grounding and power monitoring. (North American applications)
### Rack PDU - OVERVIEW

<table>
<thead>
<tr>
<th>Product</th>
<th>Base Support / Selection Criteria</th>
<th>Capacity Range (kW)</th>
<th>Power Monitoring</th>
<th>Key Monitoring Values / Accuracy</th>
<th>Receptacle Control</th>
<th>Form Factor</th>
<th>Max Operating Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liebert MPX</td>
<td>- Changing Infrastructure - Input/output power &amp; Monitoring</td>
<td>NA: 2.8 - 17.2</td>
<td>Aggregate, Branch, b/ or Receptacle</td>
<td>+/-1%: Amps, Volts</td>
<td>Optional</td>
<td>Vertical</td>
<td>55C / 131F</td>
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<td></td>
<td>- Metering - Aggregate, Branch &amp; Receptacles; Environmental</td>
<td>EU: 4.0 - 20.0</td>
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<td></td>
<td>- Critical Data Center Environments</td>
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<tr>
<td>Liebert MPH</td>
<td>- Fixed Infrastructure - Input/output power</td>
<td>NA: 1.9 - 17.2</td>
<td>Aggregate, Branch</td>
<td>+/-1%: Amps, Volts</td>
<td>Optional</td>
<td>Vertical</td>
<td>55C / 131F</td>
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<td></td>
<td>- Metering - Aggregate &amp; Branch; Environmental</td>
<td>EU: 4.0 - 22.0</td>
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<td>- Critical Data Center Environments</td>
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<tr>
<td>Knurr DI Strips</td>
<td>- Fixed infrastructure - Input/output power</td>
<td>NA: 1.4 - 24.0</td>
<td>Optional Panel Level - Liebert LDM</td>
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<td></td>
<td>- External Metering - Separate panel level monitoring</td>
<td>EU: 4.0 - 25.0</td>
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<td></td>
<td>- Critical &amp; Non-Critical Data Center Environments</td>
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* All Systems - Agency & Approvals: Global approvals and compliance

### Liebert MPX - Adaptive Rack PDU’s SUMMARY

#### Power & Comms Backplane - MPX PRC (Power Rail Chassis)
- One Per Liebert MPX System
- Typical 42/47U Racks: MPX PRC 1880 - 1880mm / 74” - Supports up to 60/63 Amp input and up to 6x MPX BRM’s (Branch Receptacle Modules)
- Typical 23U Racks: MPX PRC 1035 - 1035mm / 41” - Supports up to 30/32 Amp input and up to 3x MPX BRM’s (Branch Receptacle Modules)

#### Input Power - MPX PEM (Power Entry Module)
- One Per Liebert MPX System

<table>
<thead>
<tr>
<th>Available Voltage</th>
<th>MPX PEM-Variable Capacity</th>
<th>MPX PEM-Fixed Capacity</th>
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</thead>
<tbody>
<tr>
<td>NA: 120 &amp; 208VAC</td>
<td>NA: 20Amp</td>
<td>NA: 3-phase 208V 50Amp &amp; or 60Amp 4-5 wire, 3-phase 415V 30A 5-wire</td>
</tr>
<tr>
<td>1-Phase: 208-240VAC</td>
<td>1-Phase: 30Amp</td>
<td>EU: All 3-Phase: 63Amp 5-wire</td>
</tr>
<tr>
<td>3-Phase: 415VAC</td>
<td>3-Phase: 32Amp</td>
<td></td>
</tr>
<tr>
<td>MPX PEM-Variable Capacity</td>
<td>EU: 240VAC</td>
<td></td>
</tr>
<tr>
<td>NA: 415VAC3-Phase</td>
<td>EU: 32Amp</td>
<td></td>
</tr>
<tr>
<td>NA: 20Amp</td>
<td>1-Phase: 30Amp</td>
<td></td>
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<tr>
<td>EU: 230</td>
<td>1-Phase: 32Amp</td>
<td></td>
</tr>
<tr>
<td>MPX PEM-Fixed Capacity</td>
<td>EU: 400VAC</td>
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</tr>
<tr>
<td>3-Phase: 400VAC</td>
<td>3-Phase: 32Amp</td>
<td></td>
</tr>
</tbody>
</table>

### Liebert MPH - Managed Rack PDU’s SUMMARY

#### 120VAC-Single Phase Input / Output
- Rackmount Form Factor: 20 or 30 Amp NEMA input; 9x 5-20R receptacles
- Vertical Form Factor: 20 or 30 Amp NEMA input; 27x 5-20R receptacles

#### 208-240VAC-Single Phase Input / Output
- Rackmount Form Factor: 20 or 30 Amp NEMA input; 9x IEC-C13 receptacles
- Vertical Form Factor: 20 or 30 Amp NEMA input; 27x IEC-C13 receptacles or 21x IEC-C13 plus 6x IEC-C19 receptacles

#### 120/208VAC-Three Phase Input / 208 & 120VAC Output
- Vertical Form Factor: 30 Amp NEMA input; 27x IEC-C13 or 9-20R; 21x IEC-C13 plus 6x IEC-C19, or 15x IEC-C13, 6x IEC-C19, plus 6x 5-20R receptacles

#### 208VAC-Three Phase Input / 208V Single Phase Output
- Vertical Form Factor: 50A or 60A IEC input; 21x IEC-C13 plus 6x IEC-C19

#### 415VAC-Three Phase Input / 240VAC Output
- Vertical Form Factor: 30A NEMA Input; 21x IEC-C13 plus 6x IEC-C19

### Knurr DI Strips - Basic Rack PDU’s SUMMARY

#### 120VAC-Single Phase Input / Output
- Rackmount Form Factor: 15 or 20 Amp NEMA input; 9x 6-20R receptacles
- Vertical Form Factor: 15, 20 & 30 Amp NEMA & “Expansion” input; 12-24x 5-20R receptacles

#### 208-240VAC-Single Phase Input / Output
- Rackmount Form Factor: 20 or 30 Amp NEMA & “Expansion” input; 4x IEC-C20 or 9x IEC-C13 receptacles
- Vertical Form Factor: 20 or 30 Amp NEMA & “Expansion” input; 12-24x IEC-C13 & C19 receptacles

#### 120/208VAC-Three Phase Input / 208 & 120VAC Output
- Vertical Form Factor: 20 to 52 Amp NEMA & IEC input; 6x to 48X 5-20R, IEC-C13, C19 & combinations

### Output Distribution - MPX BRM (Branch Receptacle Module)
- One to Six Per Liebert MPX System - Quantity Per MPX PRC Length
- Types - can be mixed on a single MPX system
- Branch Monitoring - Monitor Module and Aggregate MPX Receptacle Management - Control & monitor to individual receptacles

<table>
<thead>
<tr>
<th>Receptacles per BRM</th>
<th>MPX BRM Feature</th>
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<tbody>
<tr>
<td>NA: 6x NEMA 5-20R</td>
<td>Branch Monitoring</td>
</tr>
<tr>
<td>6x IEC-C13 3x IEC-C20</td>
<td>Branch Monitoring</td>
</tr>
<tr>
<td>3x Schuko</td>
<td>Branch Monitoring</td>
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#### Protection
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<tr>
<th>Application / Install</th>
<th>Protection Type</th>
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<tbody>
<tr>
<td>Hot-swappable</td>
<td>Branch rated circuit breaker - 20Amps / Full rating</td>
</tr>
</tbody>
</table>

### Liebert MPH - Managed Rack PDU’s SUMMARY

#### 230VAC-Single Phase Input / Output
- Rackmount Form Factor: 16 or 32 Amp IEC input; 9x IEC-C13 receptacles

#### 230VAC-Single Phase Input / Output
- Vertical Form Factor: 16 or 32 Amp IEC input; 27x IEC-C13 or 21x IEC-C13 plus 6x IEC-C19 receptacles

#### 400VAC-3Phase Input / 200VAC Output
- Vertical Form Factor: 16 or 32 Amp IEC input; 27x IEC-C13 or 21x IEC-C13 plus 6x IEC-C19 receptacles

### Knurr DI Strips - Basic Rack PDU’s SUMMARY

#### 230VAC-Single Phase Input / Output
- Rackmount Form Factor: 16 or 32 Amp IEC input; multiple receptacles

#### 230VAC-Single Phase Input / Output
- Vertical Form Factor: 16 or 32 Amp IEC & “Expansion” input; multiple receptacles

#### 400VAC-3Phase Input / 200VAC Output
- Vertical Form Factor: 16 & 32 Amp IEC input; multiple receptacles

All systems are RoHS compliant.
Emerson Network Power, a business of Emerson (NYSE:EMR), delivers software, hardware and services that maximize availability, capacity and efficiency for data centers, healthcare and industrial facilities. A trusted industry leader in smart infrastructure technologies, Emerson Network Power provides innovative data center infrastructure management solutions that bridge the gap between IT and facility management and deliver efficiency and uncompromised availability regardless of capacity demands. Our solutions are supported globally by local Emerson Network Power service technicians. Learn more about Emerson Network Power products and services at www.EmersonNetworkPower.com

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

Emerson Network Power

Emerson Network Power
Liebert Corporation World Headquarters
1050 Dearborn Drive
P.O. Box 29186
Columbus, Ohio 43229
United States Of America
800 877 9222 Phone (U.S. & Canada Only)
614 888 0246 Phone (Outside U.S.)
614 841 6022 FAX
Contact@EmersonNetworkPower.com

Emerson Network Power
Caribbean and Latin America
Office – United States of America
+1-954-984-3452 Phone
Ask.Cala@Emerson.com

Emerson Network Power
European Headquarters
Office – Italy
+39 049 9719 111 Phone
+39 049 5841 257 FAX
Marketing.EMEA@EmersonNetworkPower.com

Emerson Network Power
Asia Pacific
Office – Philippines
+63 2 687 6615
+63 2 730 9572 FAX
Marketing.AP@Emerson.com

liebert.com
24 x 7 Tech Support
800 222 5877 Phone
614 841 6755 (outside U.S.)
SL-20830 (R07/12) Printed in USA

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- Power Switching & Controls
- Precision Cooling
- Racks & Integrated Cabinets
- Services