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

Rack PDU Card (Liebert RPC)
Provides upgradable network communications, sensor and local display interface

Branch Overload Protection

Flexible Power Cord Mount
User adjustable for horizontal or vertical orientations

Liebert MPH

INPUT POWER
- 20 to 30 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
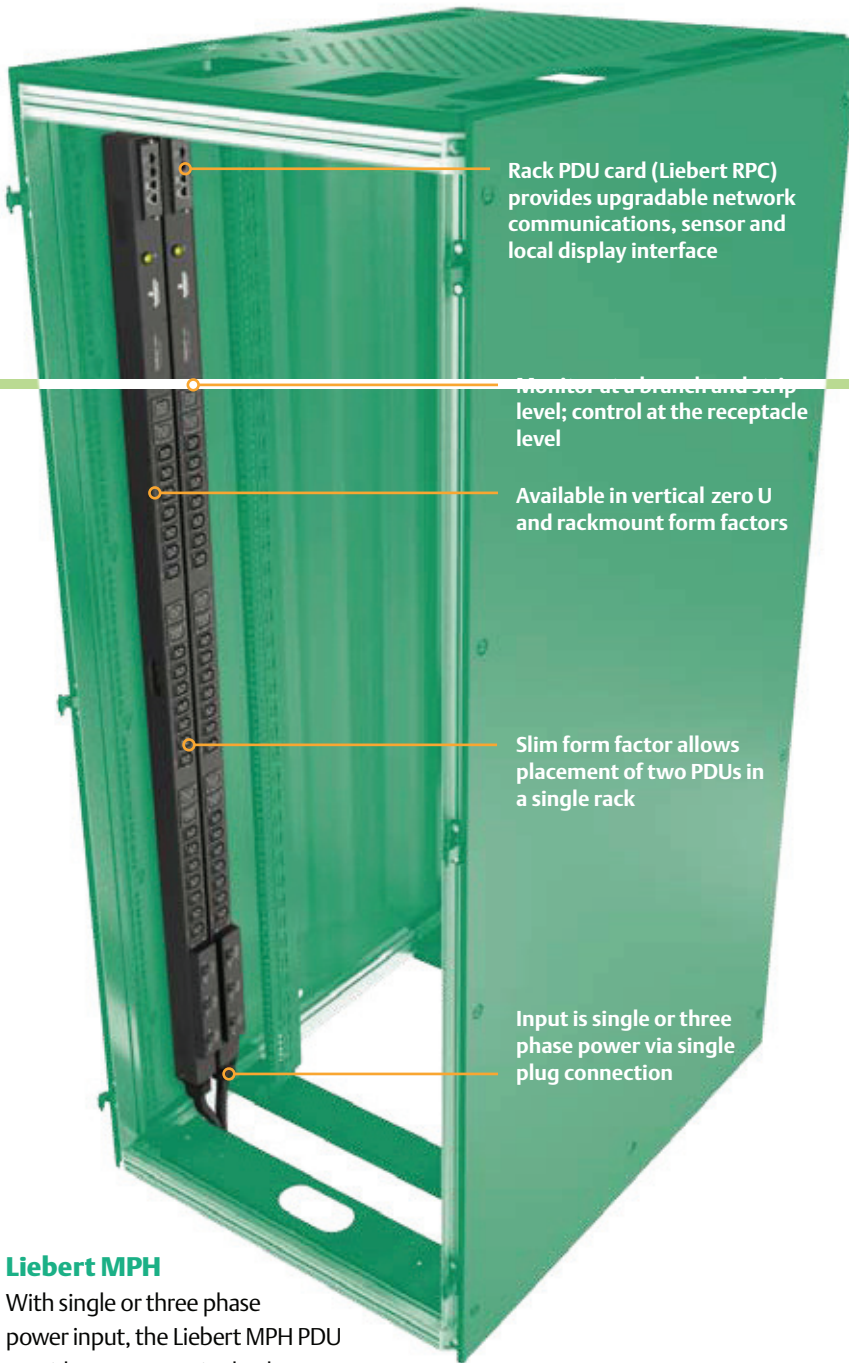- Liebert SiteScan Web

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

Rack PDU card (Liebert RPC) provides upgradable network communications, sensor and local display interface

Monitor at a branch and strip level; control at the receptacle level

Available in vertical zero U and rackmount form factors

Slim form factor allows placement of two PDUs in a single rack

Input is single or three phase power via single plug connection
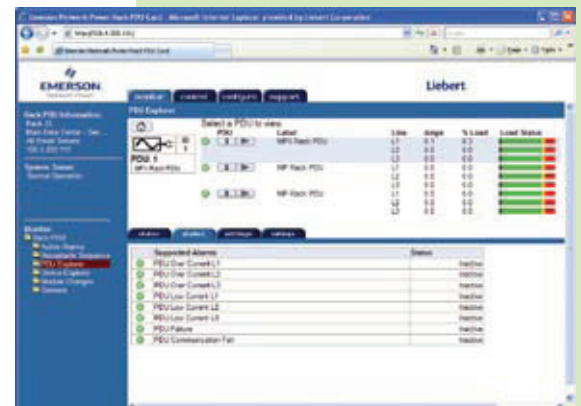
Liebert MPH

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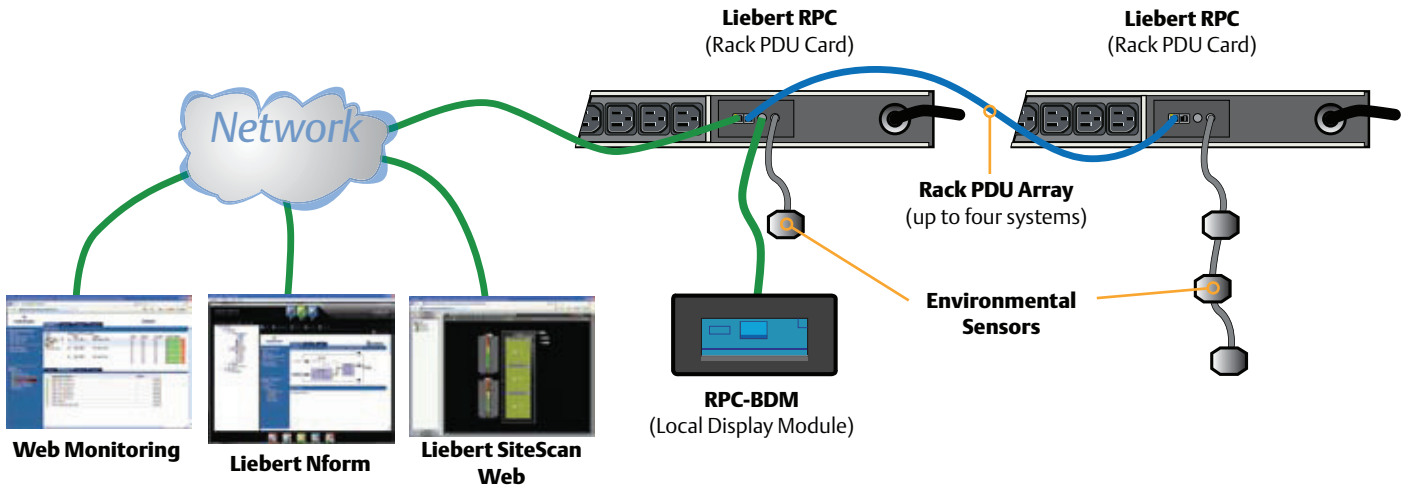
Status Display (RPC-BDM) provides users optimal local display positioning by allowing mounting on rack doors or wherever best suited for a changing rack environment.

Liebert MPH may be remotely monitored through a variety of convenient interfaces.

Rack PDU Power Management And Monitoring Interfaces

Network

Liebert RPC
(Rack PDU Card)

Liebert RPC
(Rack PDU Card)

Rack PDU Array
(up to four systems)

Environmental Sensors

RPC-BDM
(Local Display Module)

Web Monitoring

Liebert Nform

Liebert SiteScan Web

Infrastructure Management

Secure Web/SNMP Interfaces
- User configured alarm thresholds
- High alarm and warning; low alarm
- Receptacle state and sequencing configuration
- Electirical 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

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
- Single or multi-probe temperature
- Multi-probe temperature and humidity
- Auto-config – no set-up required