



MPHI Managed Rack PDU

Advanced Monitoring
& Control



MPHI Managed Rack PDU: Advanced Monitoring & Control



FEATURES

- **Industry leading operating temperature**

Up to 60 °C / 140 °F to support increasingly hot exhaust side Environment

- **Energy and power metering**

Down to the individual receptacle to optimize the data centre power and cooling infrastructure

- **Up to Eight MPHI rack PDUs may be interconnected**

As a Rack PDU Array, consolidating user IP connections and device monitoring

- **Available in many options**

- Outlet Level Metered and Switched
- Outlet Level Metered
- Rack PDU Metered and Outlet Switched

MPHI is the most intelligent, high-availability line of managed rack PDUs. It offers remote monitoring and control capabilities and environmental sensing options, with multiple power input selections, output configurations, and form factors.

MPHI Benefits

- **Monitors electrical and environmental parameters** with set threshold and alarm tools
- **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
- **Energy and power metering** to maximize the data centre power and cooling infrastructure
- **Up to Eight MPHI rack PDUs may be interconnected** as a Rack PDU Array, consolidating user IP connections and device monitoring

Designed for Critical Environments

- **Industry leading operating temperature** —up to 60 °C / 140 °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
- 100% rated **Magnetic hydraulic circuit breakers**

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Leveraging Your Rack PDU Investment

MPHI rack PDUs fully integrate into Vertiv's industry-leading infrastructure management systems. Plus they integrate rack level power and environmental monitoring information from the rack PDUs with higher level data center management software provided by Vertiv or third parties. By making the information available through these intelligent rack PDUs easily consumable, Vertiv ensures that customers invest in a comprehensive, easy to use power distribution and management solution.

Integration with the Trellis™ platform ensures that rack PDUs are a part of a comprehensive DCIM solution that includes:

- Inventory Management of all IT and facilities assets
- Monitoring of all facility critical devices and service processor-enabled IT devices
- Capacity & Change Management
- Energy Consumption Management
- Power System Management

Hardware Specifications

MPHI	
Mounting	Shipped with universal Mounting Bracket
Input Power Options	230 V 1-ph 16/32A 230/400 V 3-ph 32A
Input Wiring Option	3 Meter Cord with IEC60309 Plug
Output Options	IEC 320 C13; IEC 320 C19
Maximum Outlets	Strip Metered: 42 Outlets Output Metered and / or Output Switched: 36 Outlets
Maximum Operating Temp. Range	0°C to 60°C (32°F to 140°F)
Relative Humidity	5% – 95 % RH non-condensing
Over-current Protection	100% Rated Hydraulic Magnetic Circuit Breakers
OU Units Width x Depth	~56mm x 70mm (2.2in x 2.7in)
OU Units Maximum Length	1830 mm
Parameters Measured	Volts, Current, kW, KVA, kWh, Power Factor
Local Management	Onboard TFT Color Display
Remote Management	Integration with Trellis™ platform
SNMP version Support	v1, v2
Interface & Protocol Support	HTTP, SNMP, Modbus TCP/IP
Colour	RAL 9005; Matte
Standard Warranty	1 Year



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