

VERTIV™ MPX™ ADAPTIVE RACK-PDU

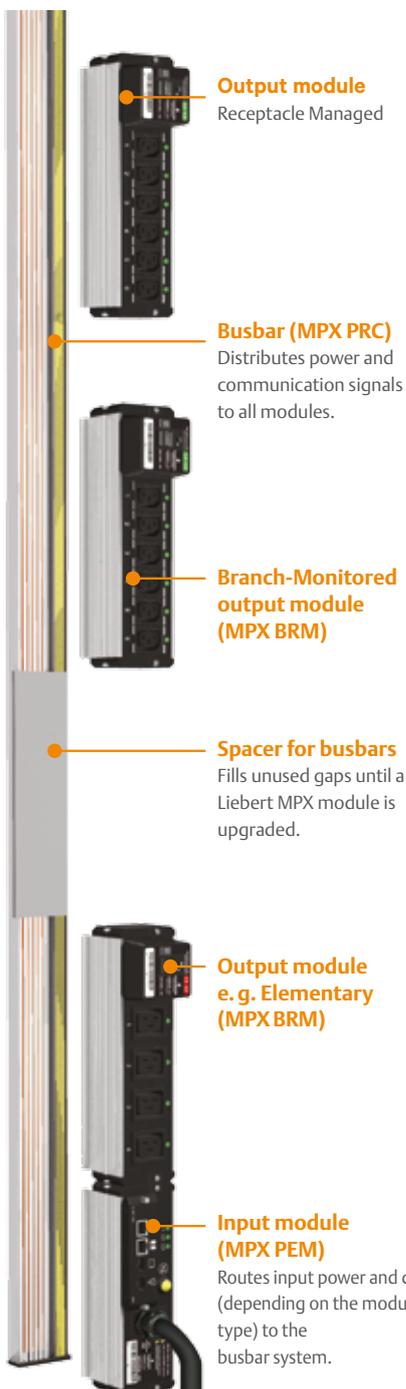


Respond to change and maximize profits

No-one can make definite predictions about the power-supply demands the future will bring. But one thing is certain: the versatile, adaptive MPX rack PDUs equip you with the wherewithal to face all eventualities. They enable you to react quickly to changes in rack equipment and provide dynamic capacities, offering:



- Modular hot-swap-enabled output power
- Modular hot-swap-enabled communication
- Modular input power.



Featuring High Availability

- Heat resistant up to 60° C ensuring reliable operation in the warm aisle.
- Modular hot-swap-enabled output module, controller card and sensors; can be exchanged or updated during operation.
- Special switch relay (normally closed); connected servers have an uninterrupted power supply even in the event of failure.
- Redundant power supply for control electronics.
- Fixed databus on the busbar.
- Complete data tapping on the Power Entry Module (PEM) without any additional external monitoring devices.
- Proactive alert by additional metering of the neutral conductor and crest factor (assessment of network quality facilitating early detection of power-supply unit failures).

Maximum Flexibility and Scalability

- All modules configured in line with requirements (patented quick-mount fitting for safe installation).
- One busbar for different networks and power levels – input module can be freely selected. All other components are "hot-swap-enabled" when running operation.
- Mobile display for reading all MPX data on the rack.
- Optical slot-space display (easy server slot-space identification at the push of a button).

Highest Possible Power Levels in all Areas

- Power feed of max. 3 x 63 A; optimal for Blade server applications.
- Only one IP address for up to 4 rails with 28 modules.
- Plug and Play for numerous sensors.
- Extensive monitoring with a metering accuracy of $\pm 1\%$ right through to output level.
- Module and sensor autodetect function with operating software.
- Minimal power loss for MPX systems.

Overview: Emerson Network Power Rack PDUs for Europe



FEATURES	MPX-Adaptive Rack PDU		
	MPX-R	MPX-B	MPX-I
Modular	■	■	■
Remote Interface	■	■	■
Measurement per phase	■	■	■
Measurement per group	■	■	
Measurement per output	■		
Switching per output	■		
Measurement parameters	A, V, W, kWh, VA, Hz, power factor, crest factor	A, V, W, kWh, VA, Hz, power factor	A, V, W, kWh, Hz
Input	1 ph + 3 ph max. 63 A	1 ph + 3 ph max. 63 A	1 ph + 3 ph max. 63 A
Outputs	IEC C13 & C19 Schuko	IEC C13 & C19 Schuko	IEC C13 & C19 Schuko Switzerland GST18
Sensor connections	■	■	■

ENVIRONMENTAL CONDITIONS

Ambient temperature	During operation: 5 °C – 60 °C Storage temperature: -20 °C – 85 °C
Relative humidity	10 – 90% non-condensing
Operating altitude	Max. 2000 m

STANDARDS

The Vertiv MPH2 Rack PDU is designed in accordance with the relevant sections of the following documents. If the information in the documents and this specification does not correspond, the information in this specification shall apply.

Europe	CB certification:	IEC 60950-1:2005 (2nd ed.) + A1:2009 + A2:2013
	BG certification:	EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + AC2011 + A2:2013
	EMC:	EN 55022:2010 EN 55024:2010 EN 61000-3-2:2014, EN 61000-3-3:2013
	CE-compliance:	Directive 2014/30/EU Electromagnetic Compatibility (EMC) Directive 2014/35/EU Low voltage (LVD) Directive 2011/65/EU Restriction of the use of certain hazardous substances (RoHS)

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