

## PRODUCT DATASHEET

# Cyberex® High Power Panel (HPP)

## Power distribution system

Today's data centers require the highest level of reliability and performance. The Cyberex HPP provides more power in rack form factor providing the flexibility to expand your data center distribution capabilities. Fed from your existing PDU, the HPP readily provides up to (4) 42 pole panelboards, (4) main breakers all fed from up to (4) sources.



Our HPP has a rack-depth form factor to blend into your standard rack line-ups for end of row and is offered in up to 480/277, 415/240 and 400/230 volt with 400 amp configurations to provide almost 4 times the power density than is possible with traditional lower voltage feeders.

### Enhanced power density with rack form factor

- Welded frame
- Compression lug ready
- Optional seismic rated floor stands available
- Front access for operation
- Main-tie-main configuration
- Modular design for flexibility
- Aesthetically matching with the IT equipment

### Product features

- Panelboard options up to 400 amp, 42 circuit – Square D, ABB, Cooper Bussmann
- Input connections: 1,000A input bus for 1 to 2 sources; 600A input bus for 1 to 4 sources
- Entry/exit: Top or bottom
- Traditional configurations up to 4 sources, 4 panelboards, 4 main breakers
- Construction: welded frame, door-in-door hinged dead fronts

### HPP product specifications

#### Electrical

Input/output	3-phase, 4-wire + ground
Input/output voltage	380/220, 400/230, 415/240, 480/277
Input amperage	400, 600, 1,000
Panelboards	Up to (4) 42 circuit output panelboards
Source breakers	Up to 4 (optional)
Neutral rating	200%

#### Operating conditions

Temperature (operating)	0 to 40°C
Temperature (storage)	-40 to 60°C
Maximum operating altitude	8,200 ft (2,500 m)

#### Dimensions/weight

Height: 86 in (218.4 cm)
Width: 30 in (76.2 cm)
Depth: 38 in (96.5 cm)
Weight: 500–550 lbs (227–249 kg)

#### General

Natural convection cooled
Hinged dead-front panel

#### Communications

Modbus RTU (RS-485) (advanced and branch circuit monitoring)
Modbus TCP (with optional BCM and display)

#### Options

Main-feed circuit monitoring
Branch circuit monitoring
Surge protective device
Plug-on or bolt-on branch circuit breakers
Input junction boxes

#### Standards

Safety	ETL listed to UL 508A and UL 60950-1 cETL listed to CAN/CSA-22.2 No. 14 and No. 60950-1
EMC	FCC compliant (part 15)
Enclosure	NEMA 1

HPP with see through door



## Basic configurations

<b>Input</b>	1 source, 2 sources, 3 sources, 4 sources
<b>Unit input optional</b>	1 breaker, 2 breakers, 3 breakers, 4 breakers
<b>Panelboards</b>	1 panelboard, 2 panelboards, 3 panelboards, 4 panelboards
<b>Power breaker</b>	225A, 400A

Remote Monitoring Technology Redefining Reliability

Main Event Log Sep 21 2009 9:42am Logout

System: 100-001

Panel: 1

Panel 1	Panel 2
Current (Amps)	Current (Amps)
Voltage (Volts)	Voltage (Volts)
Power (kW)	Power (kW)
Power (kVA)	Power (kVA)
Energy (kWh)	Energy (kWh)
% Load	% Load
PF	PF
Frequency (Hz)	Frequency (Hz)

Panel 1

A	B	C	Tot
Current (Amps)	-	-	-
Voltage (Volts)	-	-	-
Power (kW)	-	-	-
Power (kVA)	-	-	-
Energy (kWh)	-	-	-
% Load	-	-	-
PF	-	-	-
Frequency (Hz)	-	-	-

Panel 2

A	B	C	Tot
Current (Amps)	-	-	-
Voltage (Volts)	-	-	-
Power (kW)	-	-	-
Power (kVA)	-	-	-
Energy (kWh)	-	-	-
% Load	-	-	-
PF	-	-	-
Frequency (Hz)	-	-	-

Summary

System	Panel	Status
100-001	1	OK
100-001	2	OK

Remote Monitoring Technology Redefining Reliability

Main Event Log Sep 21 2009 9:42am Logout

System: 100-001

Panel: 1

Panel 1	Panel 2
Current (Amps)	Current (Amps)
Voltage (Volts)	Voltage (Volts)
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Frequency (Hz)	Frequency (Hz)

Panel 1

A	B	C	Tot
Current (Amps)	-	-	-
Voltage (Volts)	-	-	-
Power (kW)	-	-	-
Power (kVA)	-	-	-
Energy (kWh)	-	-	-
% Load	-	-	-
PF	-	-	-
Frequency (Hz)	-	-	-

Panel 2

A	B	C	Tot
Current (Amps)	-	-	-
Voltage (Volts)	-	-	-
Power (kW)	-	-	-
Power (kVA)	-	-	-
Energy (kWh)	-	-	-
% Load	-	-	-
PF	-	-	-
Frequency (Hz)	-	-	-

Summary

System	Panel	Status
100-001	1	OK
100-001	2	OK

HPP available with advanced branch circuit management with intelligent power quality management of circuits both locally and via the web.

## Power Protection

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