

Cyberex[®] – power distribution Remote power panel (RPP)

Cyberex, an innovative leader in critical power switching and distribution, provides its customers with the most advanced RPP lineup in the industry. Cyberex RPPs utilize technology leading circuit protection components and a wide array of advanced circuit management options. Cabinet configurations are customizable to fit the footprint and access parameters for your data center needs.

Product features

- Panelboard options: Up to 480V, up to 400A, up to 168 circuits – panelboards by ABB, Busmann and Square D
- Input connections: main lug only, main circuit breaker, main switch
- Top or bottom entry/exit
- Multiple input capability and traditional configurations – up to 4 sources, 4 panelboards and 4 main circuit breakers
- Multiple footprint options – sizing as small as a 2' x 2' square raised floor tile
- Circuit management system provides enhanced power data collection
- Remote monitoring interface to building management system
- Welded frame door, door-in-door hinged dead front
- Seismic construction available
- Integrated IR port solutions to identify potential system issues



RPP product specifications

Electrical

Input/output	3-phase, 4-wire + ground
Input/output voltage	208/120V, 415/240V, 480/277V
Input amperage	150/225/400A
Panelboards	ABB, Square-D, Bussmann Up to (4) 42 circuit output panelboards
Source breakers	Up to 4
Neutral rating	200%

Dimensions/weight

RPP	Width	24 in (61 cm)
	Depth	26 in (66.04 cm) or 38 in (96.5 cm)
	Height	77.75 in (197.484 cm)
	Weight	500–550 lbs (227–249 kg)
HPP	Width	30 in (76.2 cm)
	Depth	38 in (96.5 cm)
	Height	86 in (218.4 cm)
	Weight	850–900 lbs (363–408 kg)

General

Natural convection cooled
Hinged dead-front panel – split panel
Single point ground

Communications

Modbus RTU (RS-485)
Modbus TCP (with display)
BACNET (optional)
SNMP trap alarms
Webserver

Options

Current limiting circuit breakers or fuses
Local high resolution display
Branch circuit monitoring
Main feed circuit management
Surge protective devices
Plug-in or bolt-on branch circuit breakers
Plug-in or fixed mount front source breakers
Input junction boxes
Isolated ground
IR ports

Standards

NEMA (all applicable standards)
ETL listed to UL 508A
FCC compliant (part 15)
ANSI C62.41

For more information please contact:

ABB, Inc.

Power Protection

Discrete Automation and Motion division

5900 Eastport Blvd., Bldg. V

Richmond, VA 23231-4453 USA

Tel: +1 800 CYBEREX (292 3739)

Fax: +1 804 236 4841

www.tnbpowersolutions.com/cyberex

Circuit management

Designed for performance,
flexibility and usability

Take your RPP to the next level by managing your critical loads at the individual branch circuit level. Rely on Cyberex's circuit management solutions to monitor and alert your staff of potential problems before they occur. Understanding load profiles is the key to proactively managing your data center distribution system and avoiding unnecessary downtime.



- Branch circuit management – Up to four (4) 42 circuit panel boards (168 poles)
- Sub feed circuit management – Up to thirty two (32), 3-wire or twenty four (24), 4-wire sub feed breakers
- Main feed circuit management – Up to four (4) sources in multi-fed RPPs can be monitored: phases, neutral and ground

Advanced communication

- Communicate valuable system data to building management systems (BMS) or local display
- Protocols available: Modbus RTU, Modbus TCP, BACNET, SNMP trap alarms, web server

Monitor system parameters including:

- Voltage-current (RMS)
- MIN current
- MAX current
- kW (power)
- kVA-load
- Power factor (PF)
- Total harmonic distribution (THD)

Configure system warnings and alarms including:

- Over/under current
- Over/under voltage
- Over kW
- Over THD
- Low PF
- Phase loss