

PRODUCT DATASHEET

Cyberex® Remote Power Panel (RPP)

Power distribution system

ABB is 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. Multiple cabinet configurations are available to fit the footprint and access parameters for your data center needs.



Product features

- Panelboard options: Up to 240V, up to 400A, up to 168 circuits – panelboards by ABB or GE
- Input connections: main lug only, main circuit breaker
- Top or bottom entry: 24" cabinets are bottom exit only and 38" cabinets are top/bottom 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
- Optional seismic rated floor stands available
- Optional 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
Input amperage	150/225/400A
Panelboards	ABB ProLine or GE, up to (4) 42 circuit output panelboards
Source breakers	Up to 4
Neutral rating	200%

Dimensions/weight

Height:	77.75" (197.484 cm)
Width:	24" (61 cm)
Depth:	26" (66.04 cm) or 38" (96.5 cm)
Weight:	500–550 lbs (227–249 kg)

General

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

Communications

Modbus RTU (RS-485)
Modbus TCP
SNMP trap alarm
Webserver

Options

Current limiting circuit breakers
Local 6.5" color, touchscreen HMI
Branch circuit monitoring
Main-feed circuit monitoring
Surge protective devices
Plug-in or bolt-on branch circuit breakers
Plug-in or fixed mount front source breakers manufacture dependent
Input junction boxes
Isolated ground
IR ports

Standards

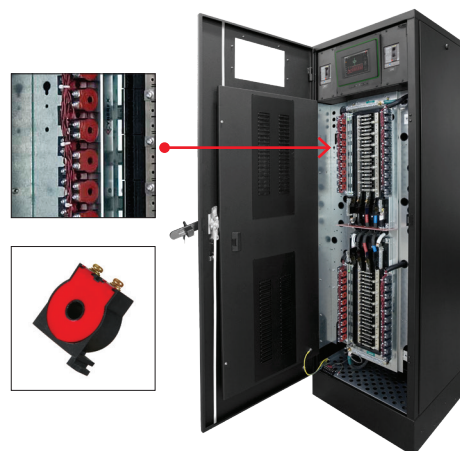
Safety	ETL listed to UL 508A and UL 60950-1 cETL listed to CAN/CSA-22.2 No. 14 and No. 60950-1
EMC	FCC compliant (part 15)
Enclosure	NEMA 1

Cyberex® PowerView monitoring system

Designed for performance, flexibility and usability

Take your distribution equipment to the next level by managing your critical loads at the individual branch circuit level. Rely on Cyberex® PowerView 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 six (6) 42 circuit panelboards (252 circuits)
- Sub-feed circuit management – Up to (65), 3-wire or (60), 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



PowerView chassis

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Additional information

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Key features

- Revenue grade metering accuracy ($\leq 1\%$ error)
- Complies with ANSI C12.1 standards
- Ability to customize main breaker, sub-feed breaker, panelboard, or branch circuit breaker names and/or numbers
- Modular chassis design allows for simple additions for future expansions

Advanced communication

- Communicate valuable system data to building management systems (BMS) or local display
- Protocols available: Modbus RTU, Modbus TCP, and 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