

Remote Power Panel



RPP



Side view



Front view

Rack RPP

The Eaton Remote Power Panel (RPP) provides big power in a choice of two cabinet sizes; standard or rack depth. The small footprint of the standard RPP is perfect for space cramped facilities or an end-of-row distribution solution. The Rack RPP provides seamless integration into data center white space by matching standard IT rack dimensions. The expanded dimensions of the Rack RPP allow for even easier installation with improved wiring and service space. Either RPP can be configured with up to four high-density panelboards (400A Main Breaker), providing 168 poles of power distribution in a free standing structure. Loaded with Eaton's advanced Energy Management System (EMS) understanding your facilities power distribution and characteristics has never been easier.

Easy Service and Startup

Reduce installation time and save on startup costs

- Backed by Eaton's extensive network of over 240 field technicians for fast reliable service
- Ample cabling space between panelboards (up to five inches)
- Standard top and bottom cable access for more flexible installation options
- Easily removable side and rear covers with captive hardware

Monitoring and Connectivity

To understand your power profile

- Eaton's Energy Management System (EMS) provides state-of-the-art monitoring and alarming provisions
- Stores load profiling for up to 24 months
- PXGX PDP communication card allows for daisy chaining multiple RPPs together, reducing individual network drops to your power equipment
- Monitor the RPP from any computer w/o software through the integrated web interface, or easily integrate into existing building management systems or Eaton's Power Xpert Software
- Up to 100A branch breaker CTs available
- **Auxiliary contact in panel main breaker to interface with third-party monitoring**

Safety

Protecting employees, contractors and service personnel

- Protective trim panels cover panelboard wiring from accidental contact
- Separation between High/Control voltage sections for safer servicing
- **Shunt trip in panel main breakers**

Aesthetics and Flexibility

Providing the right form-factor for any application

- Clean professional appearance in facilities and data centers
- Rack RPP is designed to integrate directly with IT racks in the white space
- Available see through doors
- Panel board location flexibility (single panel selection either on top or bottom)
- Rack style (mesh) door available on Rack RPP



Powering Business Worldwide

TECHNICAL SPECIFICATIONS¹

Category	RPP	Rack RPP
DIMENSIONS		
Main Cabinet	24"W x 24"D x 80"H	24"W x 42 "D x 80"H
ELECTRICAL CHARACTERISTICS		
Input / Output	208/120V - 3 Phase, 4 Wire + Ground 400V - 3 Phase, 4 Wire + Ground	
Input Ratings	450 / 900A	
Input Type	Single Feed into Main Lug (up to 4) Dual Feed into Main Lugs (up to 4) Direct Connection to panelboard main breaker	
Frequency	60 Hz	
Neutral Rating	200%	
POWER DISTRIBUTION		
Panelboards	Up to (4) 42-pole Panels - (2) Panels in Front & (2) in Rear	
Panelboard Options	Cutler-Hammer (Bolt-on or Plug-in) or SquareD Panels (225A & 400A Main Breakers) 80% or 100% rated	
Branch Breakers	Factory installed branch circuit breakers ²	
STANDARDS		
NEMA, UL 60950, CSA 60950		

1. Due to continuing improvements, specifications are subject to change without notice.
2. Please see sales configurator for additional information.
3. Branch breaker schedule required at time of order.
4. When using optional PRL3 chassis, a maximum of (8) 225A Frame breakers can be installed.



RPP



Rack RPP, side view

Options

- Energy Management System
- High kAIC Panel main breakers
- **100% Rated Sub-Feed breakers (CH)**
- **100% Rated Panel Main breakers (CH)**
- Branch Circuit Monitoring
- Floor Stands - Seismic rated (12", 18", 24", 30", 36" & 48")
- Isolated Ground (*Standard*)
- Distribution Cables (whips)
- Clear Plexiglas Doors
- Isolation Barrier for dual feed input and direct connect
- Top or Bottom Panelboard installation
- Extra knock-out, incoming and conduit plates
- Transient suppression plate
- Surge Protection Device (100 or 200kA)
- Low Voltage Control Junction Box
- Mesh Rack doors
- 4 Building Alarm Inputs (N/O or N/C)

* *Options in bold are new additions*

Energy Management System

Monitored Parameters

- Input Voltage (L-L & L-N)
- Input Current (A, B & C Phases)
- Output Voltage (L-L & L-N)
- Output Current (A, B & C Phases)
- Output Neutral Current
- System Ground Current
- kVA, kW, Hz
- Monthly, Yearly, Total kWh
- Output Voltage THD (All Phases)
- Power Factor (Lead/Lag Indicator)
- Output Current % (A, B & C Phases)

Load Profiling

Captures highest and lowest reading on monthly basis with trend information over the last 24 months

- Input/Output Voltage
- Input/Output Current
- Input/Output Frequency
- Input/Output Power Factor
- Input/Output kVA
- Input/Output Voltage THD
- Ground Current
- Neutral Current

Warnings/Alarms

- Input/Output over- & under-voltage
- Input/Output over- & under-frequency
- Input/Output phase rotation
- Input/Output voltage THD
- Input/Output current THD
- Output Overload (3 Levels)
- Building Alarms (4 programmable)
- Summary Alarm
- Communication Fault

Connectivity

- Modbus RTU (RS232/485)
- PXGX PDP (Modbus TCP/IP, SNMP, Ethernet)

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