Remote Power Panel

400V High Efficiency RPP

RPP with Bussmann panelboards

RPP with Eaton PRL2 panelboards

The Eaton® Remote Power Panel (RPP) provides high power density in 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 with industry first high kAIC rating. The rack RPP provides seamless integration into the data center white space by matching standard IT rack dimensions. The expanded dimensions of the rack RPP also allow for even easier installation with improved wiring and service space. Either RPP can be configured with up to two high-density panelboards (one on each side), providing 84 poles of power distribution in a free standing structure for a fused Bussmann solution and up to four panels with with a max of 168 poles for a circuit breaker solution. Loaded with Eaton's advanced Energy Management System, understanding your facility's power distribution and characteristics has never been easier.

Why 400V RPP

- Floor space savings (no PDU required)
- Reduced weight per square inch
- Simplified power cable management
- Capital cost savings
- Increased efficiency
- Low energy cost/reduced total cost of ownership
- Delivers double the power over traditional 208V distribution with half the current (reduced cable costs)

400V RPP with bolt on breakers or fuse/ switch protection

- No upstream PDU
- Current limiting fuse protects the branch circuit should fault occur
- Maintain space-saving footprint with high density power and interrupting current capacity
- Panelboard is rated up to 200 kAIC

Easy service and startup

Reduce installation time and save on startup costs

- Backed by Eaton's extensive network of more than 240 field technicans for fast reliable service
- Ample cabling space around and below panelboards
- Standard top and bottom cable access for more flexible installation options
- Easy-to-remove side and rear covers with captive hardware

Monitoring and connectivity

Understand your power profile

- Eaton's Energy Management System 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 without software through the integrated web interface, or easily integrate into existing building management systems or Eaton's Power Xpert Software
- Up to 60A branch breaker CTs available for fused solution and up to 90A for circuit breaker solution

Safety

Protect employees, contractors and service personnel

- Protective trim panels cover panelboard wiring from accidental contact
- Separation between high/control voltage sections for safer servicing

Aesthetics and flexibility

Provide 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 with see-through or rack-style (mesh) doors depending on the model

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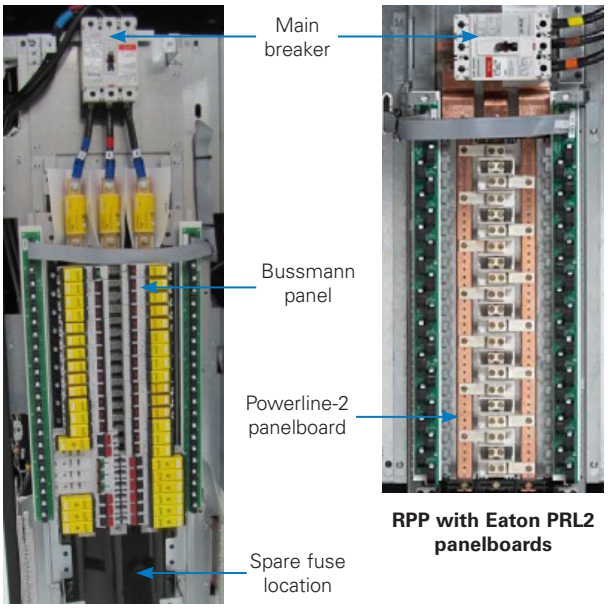
Technical Specifications[1]

Category	RPP	Rack RPP
Dimensions	24"W x 24"D x 80"H	24"W x 42"D x 80"H
Electrical Characteristics		
Input / Output	400V 3 phase 4 wire + ground	
Input Options	Single feed into main lug Dual feed into main lug Direct connection to panelboard main breaker or switch	
Frequency	60 Hz	
Neutral Rating	200%	
Power Distribution	**Bussmann**	**Eaton PRL2 Panel**
Panelboards	Up to (2) 42 ckt panels (1) panel in front and (1) panel in rear	Up to (4) 42 ckt panels (2) panels in front and (2) panels in rear
Input Rating	450A or 900A main lugs 200A fuse breaker (with 225A molded case switch)	450A or 900A main lugs 225A or 400A molded case breaker
Direct Connect	Factory or field installed	Factory or field installed
Branch Devices	Bussmann compact circuit protector -- fused disconnect	Eaton GHB type circuit breakers
Standards		
	NEMA, UL60950, CSA60950	

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.



RPP with Bussmann panelboards

RPP with Eaton PRL2 panelboards

Options

- Energy Management System
- High kAIC panel main breakers
- 100% rated panel main breakers (CH)
- Floor stands – seismic rated (12", 18", 24", 36" & 48")
- Isolated ground (standard)
- Distribution cables (whips)
- Clear plexiglas doors
- Mesh rack 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
- 4 building alarm inputs (N/O or N/C)
- Shunt & auxillary panel main breakers

Energy Management System

Monitored parameters

- Input voltage (L-L & L-N)
- Input current (A,B & C phases)
- Output voltage (L-L & L-N)
- Neutral current
- System ground current
- kVA, kW, Hz
- Monthly, yearly, total kWH
- Voltage THD (all phases)
- Power factor (lead/lag indicator)
- Input 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 current
- Input/output frequency
- Input power factor
- Input 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 current THD
- 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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