

# Modular Compact Remote Power Panel

Flexibility

Configurability

Intelligence

Safety



**EATON**

*Powering Business Worldwide*

# Mission-critical modular compact RPP

With over 150 possible configurations, the modular compact Remote Power Panel (RPP) is the most versatile RPP on the market today. Its 12" x 24" footprint allows wall-mount, in-tile, on-tile and multi-unit configurations and can be field modified. When combined with controls and high voltage compartmentalization, Branch Circuit Monitoring System (BCMS) monitoring, trapped key Interlocking and multiple panelboards schemas, the modular compact RPP can be adapted to the most demanding mission-critical facilities.

## Highly configurable platform

The modular compact RPP is highly configurable with multiple wall and floor mount options including: wallmount—single or side by side. Floor mount—in-tile or on-tile as well as side by side, back to back, back to back and one side and back to back and two sides. By utilizing a common 12" x 24" footprint, the modular compact RPP can be configured and re-configured in the field.

## Flexible panelboard distribution

The modular compact RPP is compatible with multiple panelboard manufacturers and styles which allows the end user complete flexibility in the deployment and type of branch circuits. Classic and finger-safe panelboards are both available.

## Isolated controls and high voltage compartments

In order to simplify maintenance and increase safety of operators, the modular compact RPP features isolated controls and high voltage compartments within the main cabinet. Compartmentalized components include high voltage input breakers and panelboards as well as controls PCBs and displays associated with the WaveStar® BCMS.

## Intelligent power monitoring

Eaton's BCMS delivers pro-active management of power usage and availability ensuring maximum uptime and reliability. BCMS monitors server loads locally via a 7" touchscreen display or remotely by multiple open protocols including Modbus® RTU, Modbus TCP/IP and SNMP. Power data includes current, voltage, voltage L-L, L-N, kW, kVA, kVAR, kWh per panelboard, kWh per branch circuit and more.

## Flexible mounting

The modular compact RPP was engineered with flexibility and modularity in mind. This one-size-fits-all approach enables operators to adapt the modular compact RPP to fit multiple specifications whether it be floor or wall-mount or single or multiple-unit configurations. This adaptability enables true in-the-field modification and extends the life-cycle of the product.

## Adaptable service entrances

Because every data center is different, determining service entrance for line and load connections can vary from site to site as well as unit to unit. The modular compact RPP offers both top/bottom entry/exit for the ultimate in flexibility. The modularity of the unit allows for entry/exit panels to be changed in the field.

## Trapped key interlocks

Trapped key Interlocks (Kirk Keys®) force the user to follow the correct sequence to switch power sources when using the mission critical modular compact RPP. The use of a sync-check relay as well as a make-before-break Kirk Key Interlock system ensures the safe operation and maximum uptime of server loads.

## TVSS/SPD surge protection

Electrical surges and spikes can wreak havoc on sensitive mission critical servers and equipment. Protect these assets by utilizing optional fast acting TVSS (Transient Voltage Surge Suppressor) units in order to keep these servers and equipment from being damaged and protecting your data and IT investment.

Flexibility

Configurability

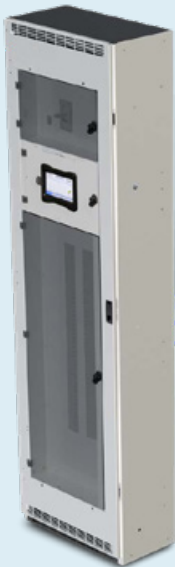
Intelligence

Safety

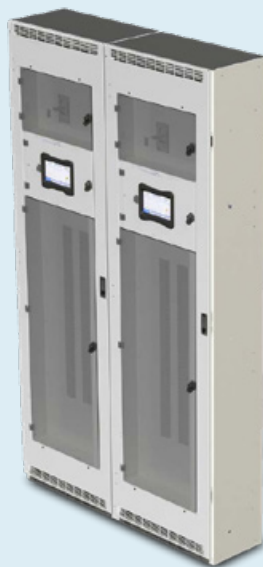
The modular compact remote power panel mounts on-tile and in-tile with standard raised floor systems.



Back to back  
24" x 24"



Single  
12" x 24"



Side by side  
12" x 48"



Back to back and one side  
24" x 36"



Back to back and two sides  
24" x 48"

# Technical specifications

## Ratings

Input/output: 3-phase, 4-wire plus ground	
Input Voltage	@ 50 Hz: 220V – 415V @ 60 Hz: 208V, 400V, 415V, 480V

Output: 3-phase, 4-wire plus ground	
200% neutral busbar connection	

## Safety standards

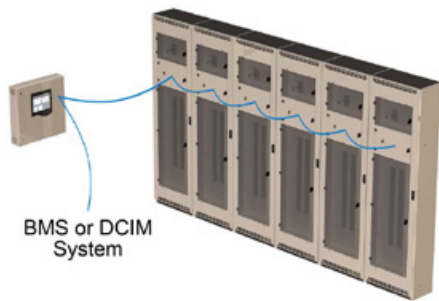
ETL Listed to UL and CSA standards	
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## Mounting options

Wall, floor, in-tile, on-tile	
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## Operating conditions

Operating temperature	-67° to +185°F (-55° to +85°C)
Storage temperature	0% to 95% non-condensing
Audible noise	≤ 45dBA
Relative humidity	0% to 95% non-condensing
Operating altitude	Up to 6,600 ft. (2,000m)



WaveStar BCMS Hub

## Monitoring

Monitor	WaveStar color touch monitor
Communications	Serial RS-485 Modbus RTU; Modbus TCP/IP or SNMP communications
BCMS	Available as factory-installed option
Options	Per circuit output monitoring
Thermal	Dual transformer thermal sensors
True RMS metering	
Accurate kW, power factor and THD measurement	

## Distribution panelboards/sub-feed breakers

Brands	SquareD, Schneider Electric, ABB
Style	Classic, IEC, finger-safe
Number of poles	36, 42, 48, 72, 84
Amperage	225A, 400A
Voltage	Up to 480V

## Testing

Eaton is dedicated to providing customized solutions to meet the specific requirements of your app

## Centralized WaveStar BCMS Hub

Eaton's WaveStar BCMS Hub can collect information from downstream BCMS-enabled power quality products in a data center. Installation does not have to be inside the data center room and can communicate via multiple protocols to BMS and DCIM Systems.

## Customization

Eaton is dedicated to providing customized solutions to meet the specific requirements of your application. Contact us at +1.800.225.4838 for further information and support.

## Service and support

After your equipment has been installed, call on the Eaton service team, at 1.800.225.4838, for 24/7 support.