

WAVESTAR® RPP SERIES CHOICES TO MAXIMIZE YOUR SYSTEM

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PDI



WIN THE RACE FOR SPACE & POWER The drive for more power in less space at the server cabinet level continues. PDI's RPP complements this change by offering the most options available in this free-standing 2' x 2' distribution or server-sized enclosures. PDI has the most comprehensive line up of RPPs in the data center business. Although your PDUs may still be able to handle the power demands of your growing facility, they may not have room for expansion. PDI's Remote Power Panel (RPP) helps you win "the race for space and power" by providing the added pole "space" in a variety of "power" set ups to meet your distribution needs in a small footprint.

Our RPPs allow you to effectively use all of your existing capacity before investing in additional distribution. The RPP can pack in dual feeds, up to 168 breakers, and Branch Circuit Monitoring with local monitoring in the 2' x 2' floor tile. The RPP is fed by any standard subfeed circuit breaker of a PDU or 208V distribution board. PDI also offers the choice of Mission Critical Dual Source RPP – 225 or 400 amp modular rack mount unit to fit any 19" cabinet, the server line rack RPP in either 208V or new 480 V, and the server line RPP from 15-150 kVA with a custom transformer.

INTELLIGENT MONITORING Add a WaveStar® monitor to see down to the branch circuit level on all panel boards and increase your PDI_Q. The PDI_Q system increases the visibility of the actual loads on the raised floor which gives the data center manager a better decision-making tool that covers system-wide performance, individual output breakers power levels, and branch circuit monitoring (current and voltage). PDI_Q (Power Distribution Intelligence Quotient) gives you the ability to make better decisions based upon real time reporting of load / capacity data. By adding the WaveStar® monitor to your RPP, you can view linked devices and keep better control of the data center floor loads.

SIMPLIFIED EXPANSION WITH CUSTOMIZED OPTIONS

- Reduces the length of cable runs between your PDU and the individual loads
- Optimizes usable floor space
- Simplifies server consolidation plans
- Meets the growth demands of dual cord equipment
- Retrofits to any existing distribution system
- Minimizes your investment risk today by allowing for incremental expansion of your future facility
- Unobstructed wiring access for ease of installation

FLEXIBLE PACKAGING Designed in an aesthetically pleasing cabinet to match the high-tech look of today's computer centers, the RPP's flexible configuration options allow it to grow with your facility. The RPP can function as a stand alone device or as part of an extensive distribution system. You can choose a single input device or dual power feeds to satisfy system redundancy and maintenance requirements. All RPP designs can be packaged to allow for system expansion without interruption to your loads. Each unit can be equipped with any custom monitoring package you require for your system.

ASSURED PERFORMANCE PDI's complete line of PowerPak technology has long delivered superior performance and protection for your computer systems and equipment. With the options now available for PDI RPP's, you can match your 15-300 kVA PowerPak and 225-750 kVA PowerHub™ power distribution units with the best solution for your data center. The expanded RPP line allows for flexible expansion of your computer room and reflects PDI's many years of experience in the power quality and distribution industry.

PDI SERVICE AND SUPPORT After your equipment has been installed, call on the PDI service team for 24/7 support. Our industry best sales and service team will stay with you from the design of your system through the life of your data center.

1 RPP

225 & 400 AMP SYSTEM



2 X 2
FITS YOUR DATA CENTER

2 RPP

MISSION CRITICAL
225 & 400 AMP SYSTEM



2 X 2
WITH KIRK™ KEY
INTERLOCKS

3 RPP

MODULAR RACK MOUNT
225 & 400 AMP SYSTEM



MODULAR SYSTEM
FOR SERVER-RPP
"PLUG AND PLAY"

4 RPP

SERVERLINE PROFILE
225 & 400 AMP SYSTEM



CABINET DEPTH
ALIGNS WITH YOUR
SERVER SYSTEM

5 RPP/PDU

WITH TRANSFORMER, 15-150 KVA
225 & 400 AMP SYSTEM



RPP/PDU
TWO FUNCTIONS IN
ONE CABINET

1 RPP

PowerPak RPP Series STANDARD FEATURES

- 2' x 2' footprint cabinet
- Freestanding enclosure
- Removable top, side and rear panels
- Full front inner hinged panelboard cover
- 208/120 vAC - 60 Hz or 50 Hz available
- 3 pole, 225A, 240V plug-in molded case main input switch
- Panelboard vision panels
- 400 amp system also available
- Square D or GE 42 pole distribution panelboard
- Listed to UL standards
- Oversized neutral for non-linear loads
- Single point grounding
- Configurable for top or bottom entry
- Compression connections on all panelboards
- Hinged side and rear panels
- Flush-mounted door handle with integral keyed locks
- Increased wiring space
- "Door-in-door" handle on dead front



2 RPP MISSION CRITICAL

Mission Critical RPP STANDARD FEATURES

- 2' x 2' footprint cabinet
- Enhanced RPP security
- Designed to provide an alternate feed to loads
- MLO (main lugs only) panelboards
- 400 amp system also available
- (2) 225A Square D mission critical circuit breakers
- Kirk™ key interlocks
- Solenoid key release
- Sync check relay
- Can be switched between two sources in a make-before-break configuration without interrupting the load
- Isolated ground and equipment ground
- Switching neutral contactor for separately derived loads
- Neutral is rated at 400A with an option for 800A



3 RPP MODULAR RACK MOUNT SYSTEM

USES ANY 19" CABINETS THAT YOU ALREADY HAVE IN YOUR DATA CENTER AND YOU CAN INSTALL THIS MODULAR SYSTEM YOURSELF!



PROTECT YOUR COMPUTERS

The data center has moved from a static environment to a highly dynamic one. Distribution panels on main PDUs are at capacity and running out of breaker space is common. IT professionals do not have the time to wait for a certified electrician to install, test and start new PDUs or add distribution to the row of racks. PDI's Modular Rack Distribution solves these problems while meeting the growing demands of dynamic data centers and IT professionals. Installation can be performed by a customer, electrical contractor or a PDI factory trained service technician. It is truly your choice.

Modular Rack Distribution features unobstructed wiring access for ease of installation and "plug-and-play" receptacle modules for use with flexible overhead power WHIPs. **Each module is designed to be installed in a standard 19" wide rack/enclosure.**

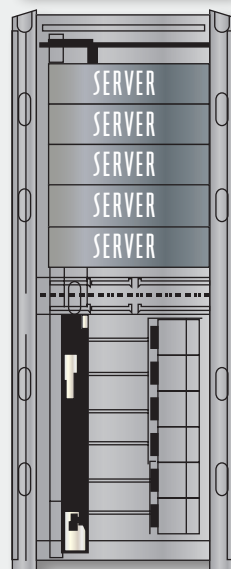
SECTION A



SECTION B



SECTION C



FRONT

FLEXIBLE MODULAR DESIGN

Three basic modules:

- Input switch/BCMS-ready 42-pole panelboard
- BCMS with built-in local display
- WaveStar® system with five-receptacle module(s)

MRD DISTRIBUTION SYSTEM: SECTION A

- 3-phase 225A main input breaker with integrated CT strips for branch circuit monitoring
- Full front inner hinged front cover, steel housing with cable pass-throughs and "knock-outs"

BCMS MODULE: SECTION B

- Complete branch circuit monitoring with data acquisition board and local WaveStar® display
- Ribbon cable interconnection kit included

RECEPTACLE MODULE: SECTION C

- 5-receptacle module configuration (3U)
- L5-20 & 30
- L6-20 & 30
- L21-20 & 30

WHIPS

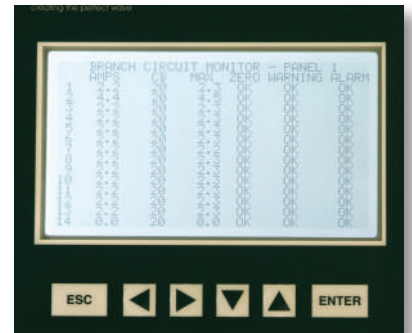
- Fully terminated SO cable whips available in 10', 15', 20', and 25' lengths

INTELLIGENT MONITORS WITH PDI[®] PROVIDE REAL TIME LOAD MANAGEMENT DATA RESULTING IN BETTER DATA CENTER CAPACITY UTILIZATION

- System Level Monitoring (per input feed)
- Output Circuit Breaker Monitoring
- Branch Circuit Monitoring – Current and Voltage available

OUTPUT CIRCUIT MONITORING

- Monitors individual output circuit breakers power levels (optional)
- Greatly improves reliability by alerting operators before main circuit breakers exceed the trip level



WaveStar® MONITOR

- Graphics display which captures PDU and BCMS functions for precise load management

Control your power destiny – put this in yourself!

4 RPP SERVERLINE PROFILE 225 AMP/400 AMP AT 208V OR NEW 480V SYSTEM

PowerPak RPP Series Standard Features

- Front only or front and rear in-line dual 42 pole panelboards with bolt on circuit breakers
- Single or dual feed via easy to access copper bus bar inputs
- 225 A main circuit breaker per panelboard or per 2 panelboards
- 400 amp system also available
- Hinged dead front doors with 1/4 turn captive hardware and quick removal clip
- Lockable main door with easy view of all circuits (acrylic or solid finish)
- Branch circuit monitoring available
- Large system status display
- Top or bottom entry, ultra spacious conduit access area with 1/4 turn captive hardware
- Easy access solid copper 200% rated bus bar neutral terminal block
- Standard ground bus and optional isolated ground bus
- Solid copper input bus bars
- WaveStar® monitoring package including BCMS in single monitor available



* NEW - INDUSTRY FIRST - 480 V SYSTEM AVAILABLE *

5 RPP/PDU WITH TRANSFORMER, 15-150 KVA

Rack Distribution System Standard Features

- Input 480 vAC
- Output 208/120 vAC
- Main input breaker
- Two (2) Square D panelboards (column-width style)
- 225A secondary main circuit breakers rated 22 kAIC
- Listed to UL standards
- Six (6) compensation taps (4FCBN, 2FCAN)
- k20 copper, 150°C Class H insulation transformer
- Hinged panelboard covers with slide lock access
- Remote communication interface in modbus RTU protocol
- Advanced door catch assures positive closure
- Door locks
- 200% neutral
- BCMS
- WaveStar® monitoring package including BCMS in single monitor available
- 15 - 150 kVA custom transformer enclosed in server line cabinet



PDI_Q = Power Distribution Intelligence Quotient
Your Smart Monitoring Solution

PDI

smiths power

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