

MINUTEMAN® MMPD™ Series

Power Distribution Units & Remote Management

**A full-line of
power distribution,
power protection, &
power management
products.**

The Minuteman® line of power distribution, power protection, and power management products have features and capabilities included in the standard product that increase the versatility of the products. This reduces the need for custom, non-standard configurations and allows for a better availability of products to fill your needs.

- One day shipment of in-stock units
- Standard: UL 60950-1 listed products
- More features per dollar



MINUTEMAN®
Power Technologies
From Para Systems, Inc.

Power Distribution Units - MMPD Series

- Standard 15-foot power cords
- From 8 to 24 outlets (8-, 10- and 14-outlet units also have outlets on front and back)
- Versatility - units can be mounted either vertically or horizontally in most racks and enclosures
- Premium features at a lower cost
- High standards - compliant with the new UL 60950-1 standard for data centers
- Wallmount option for 48- and 62-inch units
- Amp-metered units available
- Limited lifetime warranty

Power Distribution with Surge Suppression - MMS Series

- Superior protection: 2000 joules
- Longer, 15-foot power cords standard
- High standards - compliant with the new UL 60950-1 and with UL 1449 standards
- Limited lifetime warranty
- \$50,000 Minuteman Platinum Protection Plan® (U. S. and Canada only)

Power Management Units - RPM Series

- Remote control of up to 8 connected devices
- HTTP/SNMP support for web browser access
- Remote access for power control available with phone or email notification (additional modem may be required)
- Longer, 6-foot power cords standard
- Three-year non-pro-rated warranty

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Minuteman® Power Distribution Units (PDU) – MMPD Series

Building on the expertise and experience of over 25 years in the power protection industry, Para Systems, Inc. developed the Minuteman® Power Distribution Unit (PDU) with its traditional high quality and exceptional value.

The MMPD Series provides a comprehensive feature set on its standard products usually found only on more expensive or custom products. These include:

- **Longer power cords** - Minuteman PDU units have 15-foot power cords, eliminating the need for 6, 8 or 10 foot alternatives.
- **More outlets standard** - Minuteman PDU units provide 8, 10, 14, 18 or 24 outlets. All but the 18 and 24-outlet PDUs have additional front outlets for improved access.
- **Configuration versatility** - Minuteman PDU units have a multi-form factor with 2U, 1U, and 0U configurations allowing for either horizontal or vertical placement. 1U products ship with a stand-off mounting bracket, at no additional cost, that allows for 0U installation on most racks and enclosures.



Power Distribution Units - MMPD Series
(MMPD81530H, 24-Amp, horizontal unit shown)

- **High standards** - PDUs are compliant with higher UL 60950-1 standards. MMPD Series is compatible with any data center or network installation.
- **Cost effective** - More outlets, longer cords and more features are what make the MMPD Series the best value today. The features are all standard with the MMPD Series.
- **Higher reliability** - Designed for higher reliability, Minuteman PDUs' switchless design and on/off LEDs provide greater MTBF.
- **Load-metering** - Amp-metered units are available to display connected equipment loads.
- **Protected investment** - All Minuteman PDUs carry a limited lifetime warranty.

The MMPD line offers products ranging in capacity from 12 to 24 Amps, in both vertical and horizontal orientations, as well as models featuring surge suppression, load metering and IP addressable control.

Minuteman PDUs are housed in a sturdy, black, metal case with heavy-duty outlets. The power cords are all strain-relieved with molded plugs and use heavy-gauged cables. All models have an external ground stud.



0U vertical mounting MMPD models
(MMPD1815V62, 12-Amp, 62-inch vertical unit shown)

Minuteman® Surge Suppressors – MMS Series

Minuteman Surge Suppressors help protect your investment while addressing your power distribution needs. Stressing the need to support standards within the IT community, Minuteman surge suppressor products are UL certified under the new UL 60950-1 rating. This rating assures IT professionals that the units are compatible with the latest data center and network installations. Additionally, the Minuteman MMS Series surge suppression models have UL1449 certification.

Major advantages of the MMS Series Surge Suppressors include:

- **Superior equipment protection** - 2000 joules of surge protection on each unit.
- **More outlets** - 8 Outlets on rear and 2 outlets on front of each unit.
- **Higher reliability** - The units' switchless design and on/off LEDs provides greater MTBF.
- **Longer power cords** - Minuteman surge suppressor units have 15-foot power cords, eliminating the need for 6-, 8- or 10-foot alternatives.
- **Versatility** - Units can be mounted either vertically or horizontally in most racks and enclosures.

- **High standards** - Compliant with higher UL 60950-1 standards, the MMS Series is compatible with data center or network installation. Additionally, the Minuteman MMS Series surge suppression models have a UL 1449 certification.



Surge Suppressor Power Distribution Units - MMS Series
(MMS1020HV, 16-Amp, horizontal/vertical unit shown)

By adhering to the same philosophies and quality standards used in the design of uninterruptible power supplies, Para Systems has brought simplicity, quality and value to products that supply rack and cabinet power to today's sophisticated network installations.

Minuteman® Remote Power Management - RPM Series

The Minuteman® Remote Power Manager (RPM) provides the ability to monitor and manage your power to devices both local and remote. You now have the ability to monitor and turn on and off power at remote sites, from anywhere in the world. This allows you to reset these devices without dispatching personnel to remote locations, saving valuable time and money.

It can control AC power for up to eight connected devices such as servers, hubs, routers, modems, and telephone systems. This provides you the ability to have either a graceful server shutdown or a scheduled shutdown/restart. These are all provided on our standard RPMs.

This ability to access and control power to devices at remote sites can save both time and money while protecting your investment. Up to 15 client RPM units can be added to control a total of 128 devices through a single IP address.

RPM standard features include: eight outlets, dedicated phone control, power off/on LEDs, surge protection, and HTTP/SNMP support. RPMs are available for 15-, 20- and 30-Amp loads.

Multiple methods of communication and control

The Minuteman RPM offers several convenient and flexible methods of communication and control for devices while on an Ethernet network or outside a network using an external modem or a telephone:

- **Ethernet** – Most users connect Minuteman RPM to a network using a standard Ethernet connection. It can then be monitored and managed easily within a Web browser or through a telnet session.

The RPM can submit its notifications via email, SNMP trap, or network broadcast. It can be preset for a day of the week and a specific time to start-up and shut down individual devices.

- **External modem** – The RPM can also provide Web browser control if there's no direct network connection by using an external modem. The RPM will establish a dial-up Internet connection and email you its IP address, allowing control of the RPM through a Web browser, just as if it were connected to the LAN.
- **Telephone** – With no additional modem required, the master RPM unit can be called from anywhere in the world and, using the touchtone keypad, commands can be keyed to securely reset devices as needed.

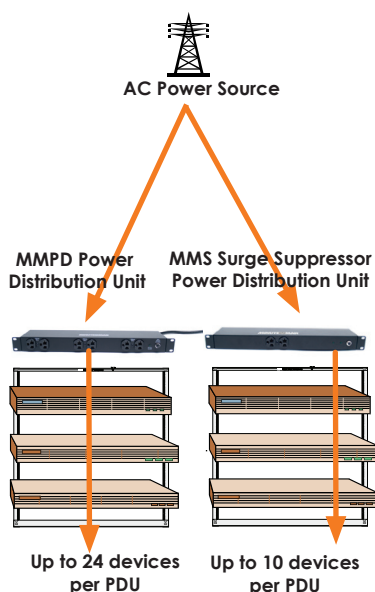


Power Distribution with Remote Power Monitoring - RPM Series (RPM1609, 15-Amp, unit shown)

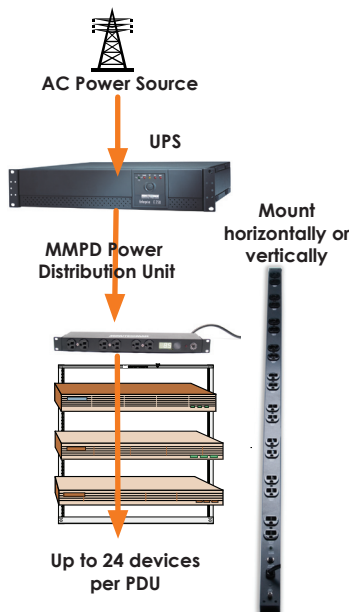
The Minuteman RPM can easily pay for itself by saving time and travel expense by providing virtually instant access to your remote locations via the telephone or the internet. Combined with a UPS and its included power management and diagnostic software, your protected devices at remote locations can be as protected as though they were in the next room.

Minuteman® Power Protection, Distribution, and Management Products Protect Your Investment

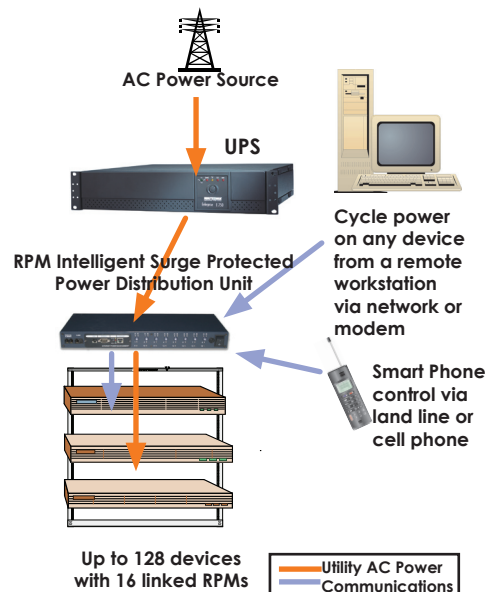
Non-Mission Critical



Mission Critical



Remote Mission Critical



Model Names	MMPD815HV	MMPD1415HV	MMPD2415V62	MMPD1815V48	MMPD1020HV/ MMPD1020HVL*	MMPD1420HV/ MMPD1420HVL*
Description	PDU -15-Amp, 8-outlet	PDU -15-Amp, 14-outlet	PDU -15-Amp, 24-outlet	PDU -15-Amp, 18-outlet	PDU -20-Amp, 10-outlet	PDU -20-Amp, 14-outlet
Dimensions (H x W x D)	1.74 x 17 x 3.5 in.		1.63 x 62 x 1.5 in.	1.63 x 48 x 1.5 in.	1.74 x 17 x 3.5 in.	
Mounting Orientation	1U/0U		0U		1U/0U	
Maximum Capacity	12-Amp				16-Amp	
Power Cord Length	15 Feet					
Power Cord Type	5-15P				5-20P*	
Total Outlets	8	14	24	18	10	14
Front Outlets (Type)	2 x (5-15R)	6 x (5-15R)	24 x (5-15R)	18 x (5-15R)	2 x (5-15/20R)	6 x (5-15/20R)
Rear Outlets (Type)	6 x (5-15R)	8 x (5-15R)	N/A		8 x (5-15/20R)	
Power ON/OFF LED	Yes					
Circuit Breaker UL 1077	One 15-Amp				One 20-Amp	
Circuit Breaker UL 489	No					
Circuit Quantity	One					
Built-in Amp-meter	No					
Audible Overload Alarm	No					
Input/Output Voltage	120V/120V					
Frequency	50/60Hz					
Included Brackets	Rackmount / Additional 0U		Rackmount		Rackmount / Additional 0U	
Safety Approvals	UL 60950-1, cUL					
Model Names	MMPD2420V62/ MMPD2420V62L*	MMPD81530H	MMPD2420VA62/ MMPD2420VA62L*	MMPD1415HVA	MMS1015HV	MMS1020HV/ MMS1020HVL*
Description	PDU -20-Amp, 24-outlet	PDU -30-Amp, 8-outlet	PDU -20-Amp, 24-outlet	PDU -15-Amp, 14-outlet	Surge -15-Amp, 10-outlet	Surge -20-Amp, 10-outlet
Dimensions (H x W x D)	1.63 x 62 x 1.5 in.	3.5 x 17 x 3.5 in.	1.63 x 62 x 1.5 in.	1.74 x 17 x 3.5 in.		
Mounting Orientation	0U	2U	0U	1U/0U		
Maximum Capacity	16-Amp	24-Amp	16-Amp	12-Amp		16-Amp
Power Cord Length	15 Feet					
Power Cord Type	5-20P*	L5-30P	5-20P*	5-15P		5-20P*
Total Outlets	24	8	24	14	10	
Front Outlets (Type)	24 x (5-15/20R)	4 x (5-15R)	24 x (5-15/20R)	6 x (5-15R)	2 x (5-15R)	2 x (5-15/20R)
Rear Outlets (Type)	N/A	4 x (L5-30R)	N/A	8 x (5-15R)	8 x (5-15R)	8 x (5-15/20R)
Joule Rating	N/A				2000J	
Power ON/OFF LED	Yes					
Surge Protection LED	N/A				Yes	
Circuit Breaker UL 1077	One 20-Amp	One 30-Amp	One 20-Amp	One 15-Amp		One 20-Amp
Circuit Breaker UL 489	No	One 15-Amp	No			
Circuit Quantity	One	Two	One			
Built-in Amp-meter	No		Yes		No	
Audible Overload Alarm	No		Yes		No	
Input/Output Voltage	120V/120V					
Frequency	50/60Hz					
Included Brackets	Rackmount			Rackmount / Additional 0U		
Safety Approvals	UL 60950-1, cUL				UL 60950-1, UL 1449, cUL	



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*L5-20P locking plugs available on models that feature 5-20P plug.



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