



TRIPP-LITE PDUMV15 Basic and Metered Rack PDUs Owner’s Manual

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Owner’s Manual
Basic and Metered Rack PDUs

Metered Models: PDUMV15 (Series Number: AGIB6098) PDUMV20 (Series Number: AGIB6099)	Metered Models with Isobar® Surge Protection: PDUMV15-ISO (Series Number: AGIB6098) PDUMV20-ISO (Series Number: AGIB6099)	Basic Models: (Series Numbe PDUV20 (Series Numbe PDUV20-60 (Series Numbe PDUV15-48 (Series Numbe
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Important Safety Instructions



SAVE THESE INSTRUCTIONS

This manual contains instructions and warnings that should be followed during the installation, operation and storage of this product. Failure to heed these instructions and warnings will void the product warranty.

CAUTION Only those who are properly trained or qualified to use this device should do so. Anyone who is not trained or qualified should not use this device unless it is under the supervision of someone who is properly trained or qualified to do so. Children must be supervised to ensure that they do not use the device as a toy. Never use the device if the cord and plug are damaged; if it is not working properly, or if it has been dropped or damaged, take it to an authorized service center for inspection and repair.

If the power cord is damaged, it must be replaced by the manufacturer, its authorized service agent, or by qualified personnel in order to avoid danger.

Important Warnings

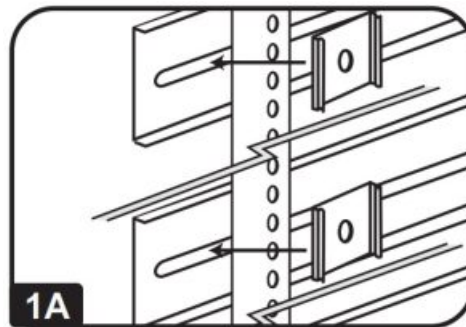
- ISO PDU models provide Isobar surge and line noise protection to connected equipment through its outlets.
- Non-ISO PDU models provide the convenience of multiple outlets but DO NOT provide surge or line noise protection for connected equipment.
- The PDU is designed for indoor use only, in a controlled environment, away from excess moisture, temperature extremes, conductive contaminants, dust or direct sunlight.
- Keep the indoor ambient temperature between 32°F and 77°F (0°C and 25°C).
- The PDU must be installed by a qualified technician only.
- Do not attempt to mount the PDU to an insecure or unstable surface.
- Install in accordance with National Electrical Code standards. Be sure to use the proper overcurrent protection for the installation, in accordance with the plug/equipment rating.
- Connect the PDU to an outlet that is in accordance with your local building codes and that is adequately protected against excess currents, short circuits and earth faults.
- The electrical outlets supplying power to the equipment should be installed near the equipment and easily accessible.
- Do not connect the PDU to an ungrounded outlet or to extension cords or adapters that eliminate the connection to ground.
- The plug on the cord-connected models serves as the disconnect device.
- Be sure to provide a local disconnect device on any models that are permanently installed without a plug that is easily accessible.
- Never attempt to install electrical equipment during a thunderstorm.
- Individual equipment connected to the PDU should not draw more current than the individual PDU's outlet's rating.
- The total load connected to the PDU must not exceed the maximum load rating for the PDU.
- Do not attempt to modify the PDU, input plugs or power cables.

Important Warnings

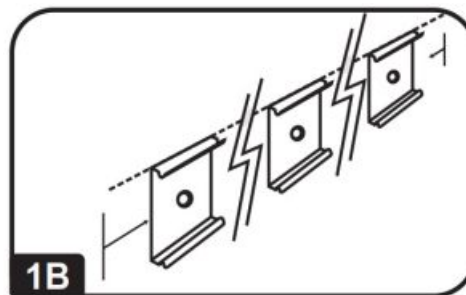
- Do not drill into or attempt to open any part of the PDU housing. There are no user-serviceable parts inside.
- Do not attempt to use the PDU if any part of it becomes damaged.
- Use of this equipment in life support applications where failure of this equipment can reasonably be expected to cause the failure of the life support equipment or to significantly affect its safety or effectiveness is not recommended.

Installation

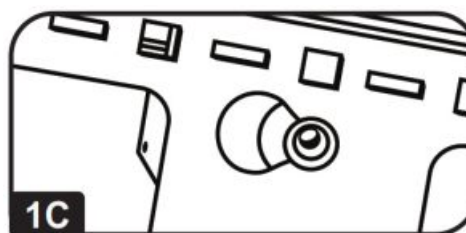
1. **(1A) 0U Rack Configuration.** Attach the three mounting clips supplied with the PDU to the rack enclosure using the included hardware. The mounting lips should be attached along a vertical plane at equidistant points that roughly correspond to the center and ends of the PDU. The exact mounting configuration may vary depending on the rack and enclosure. If possible, use pre-existing mounting points within the enclosure.



- (1B) Wall or Under-Counter Configuration.** Attach the three mounting clips supplied with the PDU to a wall or similar flat, secure surface using the included hardware. The mounting clips should be attached along a vertical or horizontal plane at equidistant points that roughly correspond to the center and ends of the PDU. If possible, use pre-existing mounting points. **WARNING: Do not attempt to mount the PDU with the outlets facing downward; the mounting clips are not designed to support the weight of the PDU in that manner.**

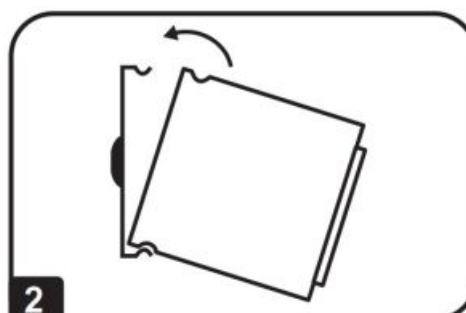


- (1C) 0U Rack Configuration.** Attach the included mounting buttons to the PDU. Position the PDU as desired in the rack enclosure, align the buttons with the rack mounting slots, and slide the PDU into position. Go to step 3.

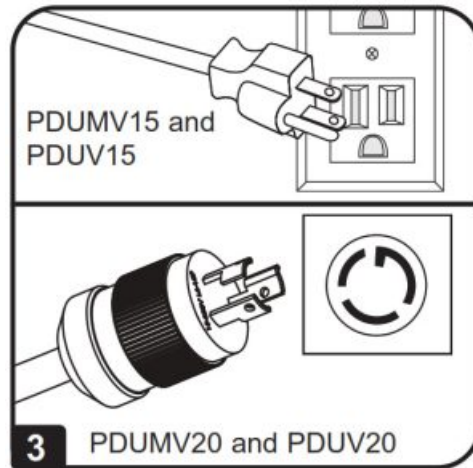


Note: Regardless of configuration, the user must determine the fitness of hardware and procedures before mounting. The PDU and included hardware are designed for a common rack and rack enclosure types and may not be appropriate for all applications.

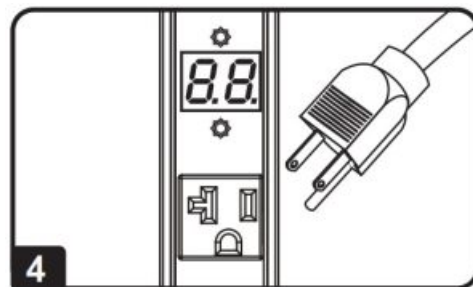
2. **Attach the PDU to the mounting clips.** Using an assistant, place a rear corner of the PDU at an inside edge of the mounting clips, pivot the PDU toward the alternate inside edge, and snap it into place.



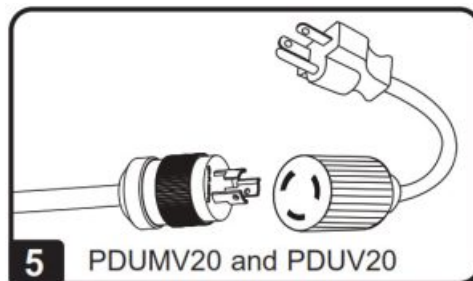
3. **Attach the input plug of the PDU to a grounded outlet.** Insert the plug directly into a grounded outlet that does not share a circuit with a heavy electrical load (such as an air conditioner or refrigerator).



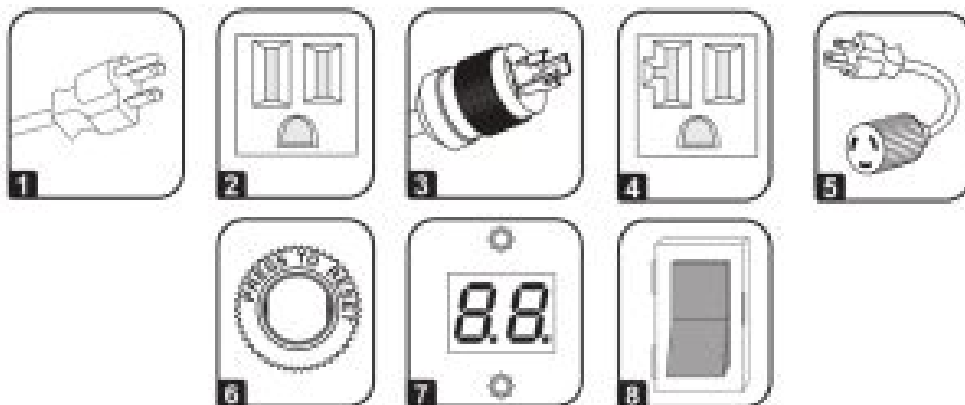
4. **Attach equipment to the PDU.** Do not exceed the load rating of the PDU. The total electrical current used by the PDU will be displayed on the digital meter in amperes (models PDUMV15 and PDUMV20 only).



5. **Optional Installation (Models PDUMV20 and PDUV20).** The PDU includes an adapter that converts the L5-20P input plug to a 5-20P input plug. The adapter is optional; the PDU will work properly without connecting the adapter.



Features



1. **NEMA 5-15P Input Plug (Models PDUMV15 and PDUV15)**
2. **NEMA 5-15R Outlets (Models PDUMV15 and PDUV15)**

3. **NEMA L5-20P Input Plug (Models PDUMV20 and PDUV20)**
4. **NEMA 5-15/20R Outlets (Models PDUMV20 and PDUV20)**
5. **NEMA 5-20P Plug Adapter (Models PDUMV20 and PDUV20):**

The adapter converts the input plug from NEMA L5-20P to NEMA 5-20P.

6. **Circuit Breaker:** If the current drawn by the equipment connected to the PDU exceeds the Maximum Load Rating, the circuit breaker will trip to prevent possible damage. When the circuit breaker trips, its plunger will pop up. Disconnect excess equipment and allow the breaker to cool at least one minute before depressing the plunger to reset the breaker.
7. **Ammeter (Models PDUMV15 and PDUMV20 only):** The total electrical current used by the PDU will be displayed on the digital meter in amperes.
8. **Illuminated Power Switch with Cover (Models PDUMV15 and PDUMV20 only)**
9. **Diagnostic Indicator Lights:** The three LEDs on the front panel show current power conditions (from left to right):



Protection Present (Green LED):

Indicates the surge-suppression components are intact and provide full protection against spikes and surges. This LED should be lit anytime the PDU is lugged in and power is present. If the Protection Present LED does not light, then some of the surge suppression components are not functioning and the unit should be returned for repair as soon as possible. You may still use the unit; however, connected equipment will be protected from spikes and surges at a lesser level than normal.

Line Fault (Red LED)*: Indicates a wiring fault has been detected. If this LED illuminates at any time while the unit is plugged in, the fault should be repaired by a qualified electrician as soon as possible. This LED indicates that phases are reversed, the ground is missing or some other sort of wiring error exists in the circuit the PDU is plugged into. The Line Fault detector circuitry will identify the most common wiring faults, but will not necessarily detect every possible type of fault.

Features

Line “OK” (Green LED): Indicates that nominal AC power is present with no wiring faults detected. When this LED is illuminated, AC power is safe for connected equipment.

* If the Line Fault (Red LED) indicator illuminates, carefully check the AC receptacle the PDU is plugged into. The receptacle must be tight and securely grounded. A loose AC receptacle may cause the Line Fault LED to illuminate. The Red LED indicates the presence of a wiring fault but does not indicate the exact nature of the fault. Only qualified electricians should make necessary outlet repairs.

If the Line Fault indicator illuminates and power is not present at the outlets, the PDU's surge-suppression components have been compromised as a result of surge damage. For service, call Tripp Lite Customer Support at 773.869.1234 to remedy the problem or receive instructions about return, repair or exchange.

Warranty & Product Registration

LIMITED WARRANTY

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in material and workmanship for a period of 5 years (basic models) or 2 years (metered models) from the date of initial purchase. If the product should prove defective in material or workmanship within that period, Seller will

repair or replace the product, in its sole discretion. Service under this Warranty can only be obtained by your delivering or shipping the product (with all shipping or delivery charges prepaid) to: Tripp Lite, 1111 W. 35th Street, Chicago, IL 60609 USA. Seller will pay return shipping charges. Visit www.tripplite.com/support before sending any equipment back for repair.

THIS WARRANTY DOES NOT APPLY TO NORMAL WEAR OR TO DAMAGE RESULTING FROM ACCIDENT, MISUSE, ABUSE OR NEGLIGENCE. SELLER MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY EXPRESSLY SET FORTH HEREIN. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ALL IMPLIED WARRANTIES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE; THIS WARRANTY EXPRESSLY EXCLUDES ALL INCIDENTAL AND CONSEQUENTIAL DAMAGES. (Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other rights which vary from jurisdiction to jurisdiction.)

WARNING: The individual user should take care to determine prior to use whether this device is suitable, adequate or safe for the use intended. Since individual applications are subject to great variation, the manufacturer makes no representation or warranty as to the suitability or fitness of these devices for any specific application.

PRODUCT REGISTRATION

Visit www.tripplite.com/warranty today to register your new Tripp Lite product. You'll be automatically entered into a drawing for a chance to win a FREE Tripp Lite product!*

* No purchase is necessary. Void where prohibited. Some restrictions apply. See the website for details.

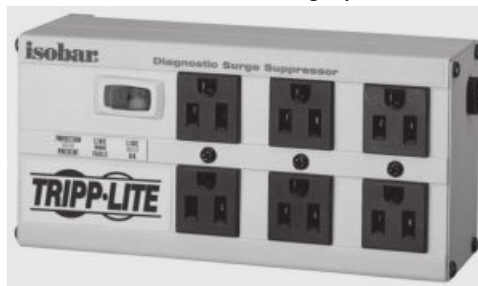
Regulatory Compliance Identification Numbers

For the purpose of regulatory compliance certifications and identification, your Tripp Lite product has been assigned a unique serial number. The serial number can be found on the product nameplate label, along with all required approval markings and information. When requesting compliance information for this product, always refer to the series number. The series number should not be confused with the marketing name or model number of the product.

Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Photos and illustrations may differ slightly from actual products.

WARRANTY REGISTRATION

Register your product today and be automatically entered to win an ISOBAR® surge protector in our monthly drawing!





tripplite.com/warranty



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Documents / Resources

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	<p>TRIPP-LITE PDUMV15 Basic and Metered Rack PDUs [pdf] Owner's Manual PDUMV15, PDUMV20, PDUMV15-ISO, PDUMV20-ISO, PDUV15, PDUV20, PDUV20-60, PDU V15-48, Basic and Metered Rack PDUs</p>

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