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Model List:

Basic Series:
- PDU20BHVT8R
- PDU20BHVT10R
- PDU20BHVT12R
- PDU30BT8F8R
- PDU30BT10F10R

PDU20BVHVT16F
PDU20BVHVT20F
PDU20BVHVT24F
PDU20BVHVT32F
PDU20BVHVT38F
PDU30BVT14F
PDU30BVT16F
PDU30BVT20F
PDU30BVT28F
PDU30BVT29F

PDU20BVHVT16F
PDU20BVHVT20F
PDU20BVHVT24F
PDU20BVHVT32F
PDU20BVHVT38F
PDU30BVT14F
PDU30BVT16F
PDU30BVT20F
PDU30BVT28F
PDU30BVT29F

Basic Series (0U):
- PDU10BVHVIEC16F
- PDU10BVHVIEC20F

PDU20BVHVIEC16F
PDU20BVHVIEC20F
PDU20BVHVIEC24F
PDU20BVHVIEC32F
PDU20BVHVIEC38F
PDU30BVHVIEC16F
PDU30BVHVIEC20F
PDU30BVHVIEC24F
PDU30BVHVIEC32F
PDU30BVHVIEC38F

Metered Series (0U):
- PDU20MVHVT20F
- PDU20MVHVT30F
- PDU20MVHVT38F
- PDU30MVHVT20F
- PDU30MVHVT30F
- PDU30MVHVT38F

PDU20MVHVT20F
PDU20MVHVT30F
PDU20MVHVT38F
PDU30MVHVT20F
PDU30MVHVT30F
PDU30MVHVT38F

PDU Naming Convention:

1. Amperage: Amperage – 15A, 20A, 30A
2. Series: B: = Basic M: = Metered
5. Plug Type: NULL: = NEMA 5-15P / 5-20P
   T: = Twist (NEMA L5-L6 Plug)
   IEC: = (IEC C14/C20)
6. Outlet Number Front: Number of Outlets followed by F – Example 8F
7. Outlet Number Rear: Number of Outlets followed by R – Example 8R
8. Network Management: NET

For information on Cyberpower products, visit www.cyberpower.com
Package Contents

- PDU (1)
- Cord Retention Tray (1/2/3/4 pcs - varies by model)
- Mounting Brackets
- Horizontal Installation Used (1 set)
- Vertical Installation Used (1 set)
- Vertical Mounting Brackets (1 set) for 0U models only
- Mounting Brackets for 0U models only
- Keyhole Mounting Pegs (2pcs) with Screws M4 X 6 (2pcs) for 0U models only
- Bracket Mounting Screws M4 X 6 (4pcs)
- Ground Screw M5 X 6 (1 pcs)
- Cable Tie (12/15/21/24/30/36/45/48/57 pcs - varies by model) for Cord Retention Tray

Documentation:
- User’s Manual
- Product Registration Card

Check

Before using, please check to ensure the package contains all the items shown above. If there are missing parts please contact CyberPower technical support at www.cyberpower.com or call 1-877-297-6937.

Safety Precautions - Read the following before installing or operating the Power Distribution Unit (PDU):

1. CAUTION! Use ONLY the supplied hardware (including screws, pegs and cord retainer clips) to attach the mounting brackets. Using different hardware or improper installations may cause damage that is NOT covered by this warranty.
2. The PDU must only be plugged into a three-wire, grounded outlet on a circuit protected by a fuse or circuit breaker. Connection to any other type of power outlet may result in a shock hazard.
3. Do not use extension cords or adapters with this PDU.
4. Never install a PDU, or associated wiring or equipment, during a lightning storm.
5. Check that the power cord, plug, and socket are in good condition.
6. The socket-outlet shall be installed near the equipment and shall be easily accessible.
7. CAUTION! To prevent the risk of fire or electric shock, this PDU should be installed in a temperature and humidity controlled indoor area free of conductive contaminants. Do not install this PDU where excessive moisture or heat is present.

For information on Cyberpower products, visit www.cyberpower.com
Installation

Horizontal Installation (1U models only)

Step 1 – Mounting bracket installation

Install the screws (M4 X 6) in holes diagonal from each other.

Step 2 – PDU Mounting

Install the PDU using fasteners compatible with the rack.
Vertical Installation with Brackets

Step 1 – Mounting bracket installation

Install the screws (M4 X 6) in holes diagonal from each other.

Step 2 – PDU Mounting

Install the PDU using fasteners compatible with the rack.

Vertical Installation with Brackets (0U models only)

Step 1 – Mounting bracket installation

Attach the Vertical Mounting Brackets to the PDU with the 4 supplied Bracket Mounting Screws (M4 X 6).

Step 2 – PDU Mounting

Install the PDU using fasteners compatible with the rack.
Vertical Installation with Keyhole Mounts (0U Models)

Step 1 – Keyhole Mount installation

Align the Keyhole Mounts to the Keyhole Slots on the rack. Insert and slide down to lock firmly into place.

Step 2 – PDU Mounting

Attach the Keyhole Mounting Pegs to the PDU with the 2 supplied Bracket Mounting Screws (M4 X 6).

Cord Retention Tray installation (Optional for both horizontal and vertical installations)

Adjust the length of the Cord Retention Tray till the screw hole on the Tray and PDU are aligned.

Attach the Cord Retention Tray to the PDU with the 4 supplied Cord Retention Tray Mounting Screws (M3 X 6). Tighten the Cord Retention Tray with the screw on it.

Use the Cable Ties provided to fasten each power cord to the Cord Retention Tray.

Meter Configuration

Depending on installation method (vertical or horizontal), the LED Meter may need to be rotated, before installation, for proper orientation.

Use a screwdriver to gently remove the LED Meter. Rotate the LED Meter 90 degrees, and insert back into the PDU.
Electrical Installation

Step 1 – Receptacle evaluation
Ensure that the plug type of your PDU unit (e.g. NEMA 5-15P, NEMA 5-20P, NEMA L5-30P) matches the wall receptacle type that you are using.

CAUTION!!
PDU must be plugged into a three-wire, grounded wall receptacle only. The wall receptacle must also be connected to an appropriate branch circuit/main with fuse or circuit breaker protection. Connection to any other type of wall receptacle may result in a shock hazard.

Step 2 – Plug the PDU into the wall receptacle

Step 3 – Attach equipment
Before attaching equipment, it is important to calculate the total load that you will be placing on the PDU. It is extremely important not to exceed the PDU’s maximum current load (as outlined in the Specifications section). In order to determine your total load, simply add up the amperage of your devices and ensure that it does not exceed the unit’s capacity.

Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
</table>
| PDU Outlets do not provide power to connected equipment | 1. Open breaker  
2. Loose power cord | Reset Breaker check if plug is completely connected. If the problem remains contact tech support. |
| Amperage displayed on Amperage Meter exceeds the unit’s capability (Metered type only) | 1. Overload  
2. Amperage meter is damaged | The meter will flash when overloaded. Reduce the load on the PDU until the overload is gone. If the problem remains contact tech support. |
| Circuit breaker has tripped | 1. Sustained overload  
2. Excessive ambient or internal temperatures.  
3. Faulty breaker | Reset Breaker. If the problem remains contact tech support. |
Basic Series (1U 20A)

Product Features

Front View

A. Mounting Bracket

Back View

Twist Type

A. Mounting Bracket
B. Back Outlets (IEC 320 C13)
C. Back Outlets (IEC 320 C19)
D. Circuit Breaker

IEC Type

A. Mounting Bracket
B. Back Outlets (IEC 320 C13)
C. Circuit Breaker

Technical Specifications

<table>
<thead>
<tr>
<th>Model Name</th>
<th>PDU20BHVTV8R</th>
<th>PDU20BHVTV10R</th>
<th>PDU20BHVTV12R</th>
<th>PDU20BHVIEC8R</th>
<th>PDU20BHVIEC10R</th>
<th>PDU20BHVIEC12R</th>
<th>PDU20BHVIEC12Ra</th>
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<tr>
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<tr>
<td>Safety Approvals</td>
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<tr>
<td>Certifications</td>
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<td>RoHS</td>
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<td>Lifetime</td>
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</tbody>
</table>

For information on Cyberpower products, visit www.cyberpower.com
Basic Series (1U 30A)

Product Features

Front View
Normal Type
A. Mounting Bracket  B. LED Indicators  C. Front Bank 1 Outlets

High Voltage Type
A. Mounting Bracket  B. LED Indicators

Back View
Normal Type
A. Mounting Bracket  B. Circuit Breaker (Bank 1)  C. Rear Bank 2 Outlets  D. External Site Ground  E. Circuit Breaker (Bank 2)  F. AC Power Cord  G. Cord Retention Tray  H. Screw Holes

High Voltage Type
A. Mounting Bracket  B. Bank 2 Outlets  C. Bank 1 Outlets  D. Circuit Breaker (Bank 2)  E. Circuit Breaker (Bank 1)  F. External Site Ground  G. AC Power Cord  H. Cord Retention Tray  Screw Holes

Technical Specifications

Model Name | PDU30BT8F8R | PDU30BT10F10R | PDU30BHVT8R | PDU30BHVT10R | PDU30BHVT12R
--- | --- | --- | --- | --- | ---

Input
- Voltage 100 – 125 V 200–230V
- Max Current 30 A
- Regulatory Derated Input Current 24A
- Circuit Breaker 20 A x 2 16 A x 2
- Plug Type NEMA L5-30P NEMA L6-30P
- Power Cord Length 12 ft 10 ft

Output
- Voltage 100–125 V 200–230V
- Max Current 30 A 30 A
- Outlet Type(Quantity) NEMA 5-20R(16) NEMA 5-20R(20) IEC 320 C19(2)/C13(6) IEC 320 C19(2)/C13(8) IEC 320 C13(12)

Indicators
- LED Indicators Bank1(GREEN) - Bank2(GREEN)
- Meter Readout N/A

Physical
- Dimension (WxDxH) 17.5”x2.5”x1.75” / 44.5x6.2x4.45 cm 17.5”x1.5”x1.75” / 44.5x3.81x4.45 cm

Environmental
- Humidity Operating 0 to 95% Non-condensing  Non-Operating 0 to 95% Non-condensing
- Altitude Operating 0 ft to 10,000 ft Non-Operating 0 ft to 50,000 ft
- Temperature Operating 32F to 95F  Non-Operating 5F to 113F

Safety Approvals
- Certifications ETL (test followed UL 60950-1) RoHS
- Warranty Lifetime

For information on Cyberpower products, visit www.cyberpower.com
Basic Series (0U 10A)

Product Features

Front View

- A. AC Inlet (IEC 320 C14)
- B. Circuit Breaker
- C. External Site Ground
- D. Front Outlets
- E. Cord Retention Tray

Screw Holes

A. Bracket Screw Hole
B. Keyhole Mount Peg
Screw Holes

Back View

- A
- B
- C

Technical Specifications

<table>
<thead>
<tr>
<th>Model Name</th>
<th>PDU10BVHVIEC16F</th>
<th>PDU10BVHVIEC20F</th>
</tr>
</thead>
</table>

**Input**

- Voltage: 200–230V
- Max Current: 10 A
- Input Current: 10 A
- Circuit Breaker: 10 A
- Plug Type: IEC C14
- Power Cord Length: 10 ft

**Output**

- Voltage: 200–230V
- Max Current: 10 A

- Outlet Type (Quantity): IEC 320 C13(16) / IEC 320 C19(4)/C13(16)

**Indicators**

- LED Indicators: N/A
- Meter Readout: N/A

**Physical**

- Dimension (WxDxH): 1.75”x1.5”x24” / 4.45x3.81x60.96 cm
  1.75”x1.5”x36” / 4.45x3.81x91.44 cm

**Environmental**

- Humidity: Operating 0 to 95% Non-condensing
  Non-Operating 0 to 95% Non-condensing
- Altitude: Operating 0 ft to 10,000 ft
  Non-Operating 0 ft to 50,000 ft
- Temperature: Operating 32°F to 95°F
  Non-Operating 5°F to 113°F

**Safety Approvals**

- Certifications: ETL (test followed UL 60950-1 )
  RoHS

**Warranty**

- Lifetime

For information on Cyberpower products, visit www.cyberpower.com
**Basic Series (0U 20A)**

### Product Features

#### Front View

- **Twist Type:**
  - A. AC Power Cord
  - B. Circuit Breaker
  - C. External Site Ground
  - D. Front Outlets
  - E. Front Outlets
  - F. Cord Retention Tray

- **Screw Holes:**
  - A. Bracket Screw Hole
  - B. Keyhole Mount Peg

#### Back View

- **A. Bracket Screw Hole**
- **B. Keyhole Mount Peg**
- **Screw Holes**

### Technical Specifications

#### Model Name

<table>
<thead>
<tr>
<th>Model Name</th>
<th>PDU20BVHVT16F</th>
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<th>PDU20BVHVT38F</th>
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#### Input

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<th>200–230V</th>
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<tbody>
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<td>20 A</td>
</tr>
<tr>
<td>Regulatory Derated Input Current</td>
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<tr>
<td>Circuit Breaker</td>
<td>16 A</td>
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<tr>
<td>Plug Type</td>
<td>NEMA L6-20P IEC 320 C20</td>
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<tr>
<td>Power Cord Length</td>
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#### Output

<table>
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<tr>
<th>Voltage</th>
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<tbody>
<tr>
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<td>20 A 20 A</td>
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<tr>
<th>Outlet Type(Quantity)</th>
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<th>IEC 320 C19(4)/C13(16)</th>
<th>IEC 320 C19(4)/C13(20)</th>
<th>IEC 320 C19(8)/C13(24)</th>
<th>IEC 320 C19(8)/C13(30)</th>
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#### Indicators

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<th>LED Indicators</th>
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<tbody>
<tr>
<td>Meter Readout</td>
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#### Physical

<table>
<thead>
<tr>
<th>Dimension (WxDxH)</th>
<th>1.75” x 1.5” x 24” / 4.45 x 3.81 x 60.96 cm</th>
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<tr>
<td></td>
<td>1.75” x 1.5” x 36” / 4.45 x 3.81 x 91.44 cm</td>
</tr>
<tr>
<td></td>
<td>1.75” x 1.5” x 48” / 4.45 x 3.81 x 121.92 cm</td>
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<tr>
<td></td>
<td>1.75” x 1.5” x 60” / 4.45 x 3.81 x 152.40 cm</td>
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<td>1.75” x 1.5” x 70” / 4.45 x 3.81 x 177.80 cm</td>
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#### Environmental

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<tr>
<td>Altitude</td>
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<tr>
<td>Temperature</td>
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<td>Non-Operating 0 to 50,000ft</td>
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#### Safety Approvals

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<tbody>
<tr>
<td>Warranty</td>
<td>Lifetime</td>
</tr>
</tbody>
</table>

For information on Cyberpower products, visit www.cyberpower.com
## Basic Series (1U 30A)

### Product Features

**Front View**
- Normal Type:
  - A. AC Power Cord
  - B. External Site Ground
  - C. Circuit Breaker (Bank 1)
  - D. Circuit Breaker (Bank 2)
  - E. Cord Retention Tray Screw Holes
  - F. Front Outlets (Bank 1)
  - G. Front Outlets (Bank 2)

**Back View**
- Normal Type:
  - A. AC Power Cord
  - B. Bracket Screw Hole
  - C. Keyhole Mount Peg Screw Holes

**High Voltage Type:**
- A. AC Power Cord
- B. Circuit Breaker (Bank 1)
- C. Circuit Breaker (Bank 2)
- D. External Site Ground
- E. Front Outlets (Bank 1)
- F. Front Outlets (Bank 2)
- G. Cord Retention Tray Screw Holes

### Technical Specifications

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**Indicators**
- LED Indicators: N/A
- Meter Readout: N/A

**Physical**
- Dimension (WxDxH): 1.75" x 2.25" x 7.25", 4.45cm x 5.72cm x 18.42cm

**Environmental**
- Humidity: Operating 0 to 95% Non-condensing
- Altitude: Non-Operating 0 to 10,000ft
- Temperature: Operating 32F to 113F

**Safety Approvals**
- Certifications: ETL (test followed UL 60950-1)
- RoHS: Lifetime

For information on Cyberpower products, visit www.cyberpower.com
## Technical Specifications

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<th>Model Name</th>
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<td>Dimension (WxDxH)</td>
<td>1.75&quot; x 1.5&quot; x 48&quot; / 4.45 x 3.81 x 121.92 cm</td>
<td>1.75&quot; x 1.5&quot; x 60&quot; / 4.45 x 3.81 x 152.40 cm</td>
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Product Features

Front View

- Normal Type:
  - A. AC Power Cord
  - B. External Site Ground
  - C. Circuit Breaker (Bank 1)
  - D. Circuit Breaker (Bank 2)
  - E. Cord Retention Tray Screw Holes
  - F. Front Outlets (Bank 1)
  - G. Meter Readout (Bank 1)
  - H. Meter Readout (Bank 2)
  - I. Front Outlets (Bank 2)

- High Voltage Type:
  - A. AC Power Cord
  - B. Circuit Breaker (Bank 1)
  - C. Circuit Breaker (Bank 2)
  - D. External Site Ground
  - E. Front Outlets (Bank 1)
  - F. Meter Readout (Bank 1)
  - G. Meter Readout (Bank 2)
  - H. Front Outlets (Bank 2)
  - I. Cord Retention Tray Screw Holes

Back View

- A. AC Power Cord
- B. Bracket Screw Hole
- C. Keyhole Mount Peg Screw Holes

Technical Specifications

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<th>Model Name</th>
<th>PDU30MVT24F</th>
<th>PDU30MVT32F</th>
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| **Indicators**   |             |             |               |               |               |
| LED Indicators   | N/A         |             |               |               |               |
| Meter Readout    | 2 Amperage  |             |               |               |               |

| **Physical**     |             |             |               |               |               |
| Dimension (WxDxH) | 1.75"x2.25"x60" / 4.45x5.72x152.40 cm | 1.75"x2.25"x70" / 4.45x5.72x177.80 cm | 1.75"x1.5"x48" / 4.45x3.81x121.92 cm | 1.75"x1.5"x60" / 4.45x3.81x152.40 cm | 1.75"x1.5"x70" / 4.45x3.81x177.80 cm |

| **Environmental**|             |             |               |               |               |
| Humidity         | Operating 0 to 95% Non-condensing | Non-Operating 0 to 95% Non-condensing |               |               |               |
| Altitude         | Operating 0ft to 10,000ft | Non-Operating 0ft to 50,000ft |               |               |               |
| Temperature      | Operating 32F to 95F | Non-Operating 5F to 113F |               |               |               |

| **Safety Approvals** |             |             |               |               |               |
| Certifications    | ETL (test followed UL 60950-1) | RoHS |               |               |               |
| Warranty          | Lifetime    |             |               |               |               |

For information on Cyberpower products, visit www.cyberpower.com
Product Registration

Thank you for purchasing a CyberPower product. Prompt product registration entitles coverage under the Limited Warranty and Connected Equipment Guarantee, and also allows the opportunity to be notified of product enhancements, upgrades, and other announcements.

Registration is quick and easy at www.cyberpower.com under "Support".

Need Additional Help?

Feel free to contact our Tech Support department with installation, troubleshooting, or general product questions.

CyberPower Technical Support
www.cyberpower.com
4241 12th Ave East, Suite 400
Shakopee, MN 55379
Toll-free: (877) 297-6937

Limited Warranty

Read the following terms and conditions carefully before using the CyberPower PDU (the "Product"). By using the Product you consent to be bound by and become a party to the terms and conditions of this Limited Warranty (together referred to as this "Warranty"). If you do not agree to the terms and conditions of this Warranty, you should return the Product for a full refund prior to using it.

Who is Providing this Warranty?

CyberPower Systems (USA), Inc. ("CyberPower") provides this Limited Warranty.

What Does This Warranty Cover?

This warranty covers defects in materials and workmanship in the Product under normal use and conditions.

What is the Period of Coverage?

This Warranty is for as long as the original owner owns the Product.

Who Is Covered?

This warranty only covers the original purchaser. Coverage ends if you sell or otherwise transfer the Product.

How Do You Get Service?

1. Call us at (877) 297-6937 or write to us at CyberPower Systems (USA), Inc., 4241 12th Ave. E., STE 400, Shakopee, MN 55379 or send us an e-mail message at claims@cpsww.com for instructions.
2. When you contact CyberPower, identify the Product, the Purchase Date, and the item(s) of Connected Equipment. Have information on all applicable insurance or other resources of recovery/payment that are available to the Initial Customer and Request a Claim Number.
3. You must provide a purchase receipt (or other proof of the original purchase) and provide a description of the defect.
4. Pack and ship the product to CyberPower and, if requested, the item(s) of Connected Equipment, a repair cost estimate for the damage to the Connected Equipment, and all claim forms that CyberPower provides to you. Show the Claim Number on the shipping label or include it with the product. You must prepay all shipping costs, you are responsible for packaging and shipment, and you must pay the cost of the repair estimate.

What Will We Do To Correct Problems?

CyberPower will inspect and examine the Product.

If the Product is defective in material or workmanship, CyberPower will repair or replace it at CyberPower's expense, or, if CyberPower is unable to or decides not to repair or replace the Product (if defective) within a reasonable time, CyberPower will refund to you the full purchase price you paid for the Product (purchase receipt showing price paid is required).

Who Pays For Shipping?

We pay when we send items to you; you pay when you send items to us.
What Are Some Things This Warranty Does Not Cover?

1. This Warranty does not cover any software that is damaged or needs to be replaced due to the failure of the Product or any data that is lost as a result of the failure or the restoration of data or records, or the reinstall of software.
2. This Warranty does not cover or apply to: misuse, modification, operation or storage outside environmental limits of the Product or the equipment connected to it, nor for damage while in transit or in storage, nor if there has been improper operation or maintenance, or use with items not designed or intended for use with the Product, such as laser printers, appliances, aquariums, medical or life support devices, etc.

What Are the Limitations?

1. This Warranty does not apply unless the Product and the equipment that was connected to it were connected to properly wired and grounded outlets (including compliance with electrical and safety codes of the most current electrical code), without the use of any adapters or other connectors.
2. The Product must have been plugged directly into the power source and the equipment connected to the Product must be directly connected to the Product and not "daisy-chained" together in serial fashion with any extension cords, another Product or device similar to the Product, surge suppressor, or power tap. Any such installation voids the Limited Warranty.
3. The Product and equipment connected to it must have been used properly in a suitable and proper environment and in conformance with any license, instruction manual, or warnings provided with the Product and the equipment connected to it.
4. The Product must have been used at all times within the limitations on the Product's VA capacity.
5. The sole and exclusive remedies of the Initial Customer are those provided by this Warranty.

Contact Information

CyberPower Systems, Inc.
4241 12th Ave East, Suite 400
Shakopee, MN 55379
Toll-free: (877) 297-6937

CyberPower is the warrantor under this Limited Warranty. You may also contact CyberPower on the web at www.cyberpower.com