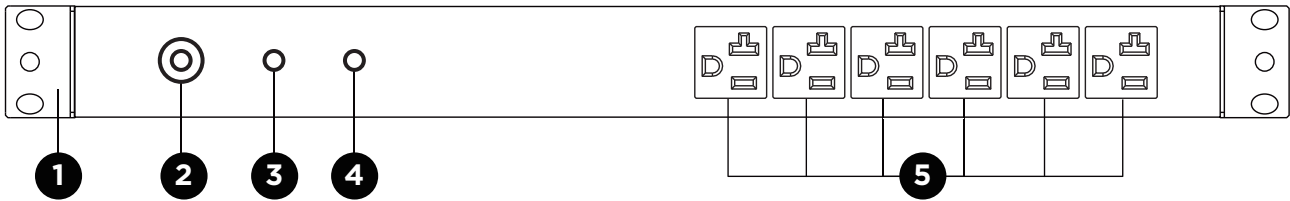


## RACKBAR SURGE PROTECTORS

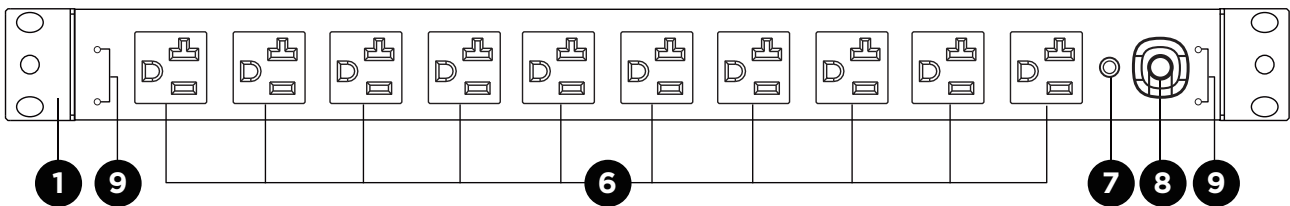
### USER MANUAL

CPS1215RM	RKBS20S2F8R	RKBS20ST2F8R
CPS1220RM	RKBS20S2F10R	RKBS20ST2F10R
RKBS15S2F8R	RKBS20S2F12R	RKBS20ST2F12R
RKBS15S2F10R	RKBS20ST4F8R	RKBS20ST4F8R
RKBS15S2F12R	RKBS20ST4F10R	RKBS20ST4F10R
RKBS15S4F8R	RKBS20ST4F12R	RKBS20ST4F12R
RKBS15S4F10R	RKBS20ST6F8R	RKBS20ST6F8R
RKBS15S4F12R	RKBS20ST6F10R	RKBS20ST6F10R
RKBS15S6F8R	RKBS20ST6F12R	RKBS20ST6F12R
RKBS15S6F10R		
RKBS15S6F12R		

Front View



Rear View



- |                                  |  |
|----------------------------------|--|
| <b>1</b> Mounting Bracket        | <b>5</b> Front Outlets                   |
| <b>2</b> Circuit Breaker         | <b>6</b> Rear Outlets                    |
| <b>3</b> Protected LED Indicator | <b>7</b> Externate Site Ground           |
| <b>4</b> Grounded LED Indicator  | <b>8</b> AC Power Cord                   |
|                                  | <b>9</b> Cord Retention Tray Screw Holes |

## PRODUCT REGISTRATION

Thank you for purchasing a CyberPower product. This product is designed to provide unsurpassed power protection, operation, and performance during the lifetime of the product. Please take a few minutes to register your product at: [www.CyberPowerSystems.com/registration](http://www.CyberPowerSystems.com/registration). Registration certifies your product's warranty, confirms your ownership in the event of a product loss or theft, and entitles you to free technical support. Register your product now to receive the benefits of CyberPower ownership.

## SAFETY PRECAUTIONS

### TO REDUCE THE RISK OF ELECTRIC SHOCK:

Use only in dry locations and only indoors.

**DO NOT** plug into another relocatable power tap.

**DO NOT** "daisy chain" surge protectors.

**DO NOT** use with any aquarium equipment.

**DO NOT** use if properly grounded outlets are not available.

**DO NOT** install this device if there is less than 10 meters (30 feet) of wire between the electrical outlet and electrical service panel.

**DO NOT** use for medical or life support equipment. This device features an internal protection that will disconnect the surge protective component at the end of its useful life, but it will maintain unprotected power to the load.

**WARNING** To prevent the risk of fire or electric shock, this RKBS should be installed in a temperature and humidity controlled indoor area free of conductive contaminants. Do not install this RKBS where excessive moisture or heat is present.

## INTRODUCTION

### Unpacking

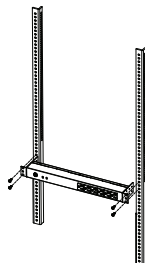
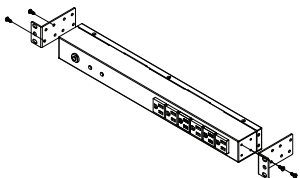
Inspect the rackbar surge upon receipt. The box should contain the following:

- RackBar Surge Unit (RKBS)
- Mounting Brackets: (1) Horizontal set, (1) Vertical set
- Bracket Mounting Screws (4) Flat Head M4
- Cord Retention Tray
- Cord Retention Tray Mounting Screws (4) M3
- Cable Ties for Cord Retention Tray: qty. 12/15/18, varies by model
- Ground Screw (1) M4
- User Manual

## INSTALLATION GUIDE

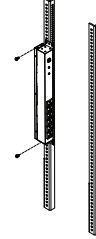
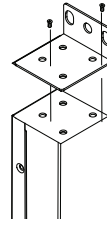
### Horizontal Installation

- Mounting Bracket Installation** - Install the screws (M4 X 4) in holes diagonal from each other.
- RKBS Mounting** - Install the RKBS using the fasteners that are compatible with the rack.



### Vertical Installation

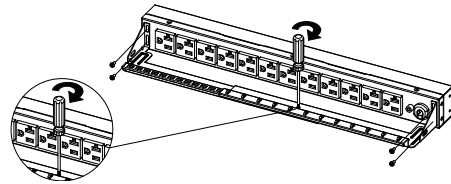
- Mounting Bracket Installation** - Install the screws (M4 X 4) in holes diagonal from each other.
- RKBS Mounting** - Install the RKBS using the fasteners that are compatible with the rack.



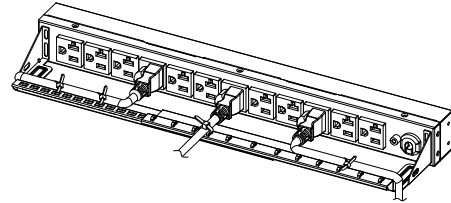
### Cord Retention Tray Installation

(Optional for both horizontal and vertical installations)

Adjust the length of the Cord Retention Tray until the screw holes on the Tray and RKBS are aligned. Attach the Cord Retention Tray to the RKBS with the 4 supplied Cord Retention Tray Mounting Screws (M3 X 4). Tighten the Cord Retention Tray screws.



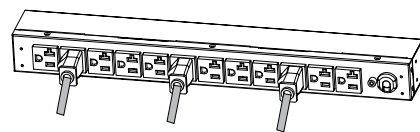
Use the Cable Ties provided to fasten each power cord to the Cord Retention Tray.



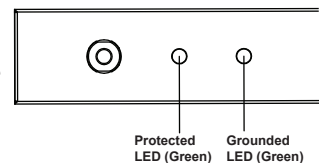
### Electrical Installation

- Ensure that the plug type of your RKBS unit (e.g. NEMA 5-15P) matches the wall receptacle type that you are using. **CAUTION: RKBS 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.**

- Plug the RKBS into the wall receptacle.
- Before attaching equipment, it is important to calculate the total load that you will be placing on the RKBS. It is extremely important not to exceed the RKBS'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.



- Verify that both the Grounded and Protected LEDs are illuminated. This means that the RKBS is properly grounded and is protecting the equipment from surges.



## TECHNICAL SPECIFICATIONS

<b>Model Name</b>	CPS1215RM CPS1220RM RKBS15S2F8R RKBS15S2F10R RKBS15S2F12R RKBS15S4F8R RKBS15S4F10R RKBS15S4F12R RKBS15S6F8R RKBS15S6F10R RKBS15S6F12R	RKBS20S2F8R RKBS20S2F10R RKBS20S2F12R RKBS20ST4F8R RKBS20ST4F10R RKBS20ST4F12R RKBS20ST6F8R RKBS20ST6F10R RKBS20ST6F12R	RKBS20ST2F8R RKBS20ST2F10R RKBS20ST2F12R RKBS20ST4F8R RKBS20ST4F10R RKBS20ST4F12R RKBS20ST6F8R RKBS20ST6F10R RKBS20ST6F12R
<b>Input</b>			
Voltage	125 V		
Frequency	50 Hz - 60 Hz		
Maximum Current	15 A	20 A	
Circuit Breaker	15 A	20 A	
Plug Type	NEMA 5-15P	NEMA 5-20P	NEMA L5-20P (twist lock)
Power Cord Length	15 ft. / 4.6 m		
<b>Output</b>			
Voltage	125 V		
Maximum Current	15 A	20 A	
Outlet Type	NEMA 5-15R	NEMA 5-20R	
<b>Surge Protection &amp; Filtering</b>			
EMI / RFI Filtration	Yes		
Surge Suppression	3600 J	1800 J	
<b>Management &amp; Communications</b>			
LED Indicators	Grounded (green) / Protected (green)		
<b>Physical</b>			
Dimensions Height/Width/Depth	1.75 x 2.25 x 1.75 in / 44.5 x 5.72 x 4.45 cm		
<b>Environmental</b>			
Operating Relative Humidity	0 to 95% Non-condensing		
Operating Elevation	0-10,000 ft. / 3,048 m		
Operating Temperature	0 °F to 95 ° F / 0° C to 35° C		
<b>Safety Approvals</b>			
Certifications	UL 1363 / UL 1449 / RoHS Compliant		

All specifications are subject to change without notice.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
RKBS Outlets do not provide power to connected equipment	Open breaker	Reset Breaker and check if plug is completely connected.
	Loose power cord	If the problem remains. contact CyberPower Systems at: <a href="http://cyberpowersystems.com/support">cyberpowersystems.com/support</a> .
Circuit breaker has tripped	Sustained overload	Reset Breaker.
	Excessive ambient or internal temperatures	If the problem remains. contact CyberPower Systems at: <a href="http://cyberpowersystems.com/support">cyberpowersystems.com/support</a> .
	Faulty breaker	
Protected LED is not illuminated	Surge protection is exhausted.	Contact CyberPower Systems at: <a href="http://cyberpowersystems.com/support">cyberpowersystems.com/support</a> .
Grounded LED is not illuminated	Ground circuit is open.	Check the site ground. If the site ground is good the RKBS may be faulty.  Contact CyberPower Systems at: <a href="http://cyberpowersystems.com/support">cyberpowersystems.com/support</a> .

## FCC COMPLIANCE STATEMENT

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
- Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Canadian Compliance Statement  
CAN ICES-3 (B)/NMB-3(B)

## LIMITED WARRANTY AND CONNECTED EQUIPMENT GUARANTEE

Please visit [www.CyberPowerSystems.com](http://www.CyberPowerSystems.com) for a copy of the Limited Warranty and Connected Equipment Guarantee.

### Where Can I Get More Information?

The application of the United Nations Convention of Contracts for the International Sale of Goods is expressly excluded. CyberPower is the warrantor under this Limited Warranty.

For further information please feel free to contact CyberPower at:

Cyber Power Systems (USA), Inc.  
4241 12th Ave E., STE 400, Shakopee, MN 55379;  
call us at **(877) 297-6937**; or submit a web ticket online at [cyberpowersystems.com/support](http://cyberpowersystems.com/support).

Hours of Operation: Monday - Friday: 7:00am - 6:00pm CST

WARNING: This product can expose you to chemicals including bisphenol A (BPA) and styrene, which is known to the State of California to cause reproductive harm and cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).