



CDP R-UPR508 Digital Power UPS Battery Backup User Manual

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CDP R-UPR508 Digital Power UPS Battery Backup



INSPECTION

The following items are inside the box:

- UPS unit
- User manual

Remove the UPS from its package and inspect it for damage that may have occurred during shipping. If any damage is discovered, re – of purchase.

CONNECT TO UTILITY POWER

Connect AC power cord to utility power. Then, the UPS will start to charge inside the battery. For best result, charge the battery for 6 hours prior to initial use.

PLUG-IN EQUIPMENT

There are two types of output receptacles: Battery Backup Outlet and Surge-protected Outlet.

Battery Backup Outlets

Connect computer and monitor to the “Battery Backup” outlets. These outlets provide battery backup, EMI filtering, line conditioning, and surge protection. Battery power is automatically provided in case of power failure.

NOTE: Make sure that the UPS is powered on to protect all important devices from data loss during power failure. **CAUTION:** NEVER connect a laser printer or scanner to the battery backup outlets of UPS. The equipment may draw significantly power to overload the UPS. Connect a printer, fax machine, or scanner to the “Surge outlets do

not provide power during power failure. -protected” outlets.

OPERATION & FUNCTIONS

Operation

- Turn On the UPS
- To turn on the UPS unit, press the power switch lightly. Then, the LED will light up.
- Turn Off the UPS
- To turn off the UPS unit, press the power switch again. Then, the LED will go off. Cold Start Function
- When the UPS is off and there is no power utility, it's still possible to cold start the UPS unit to power the loads.

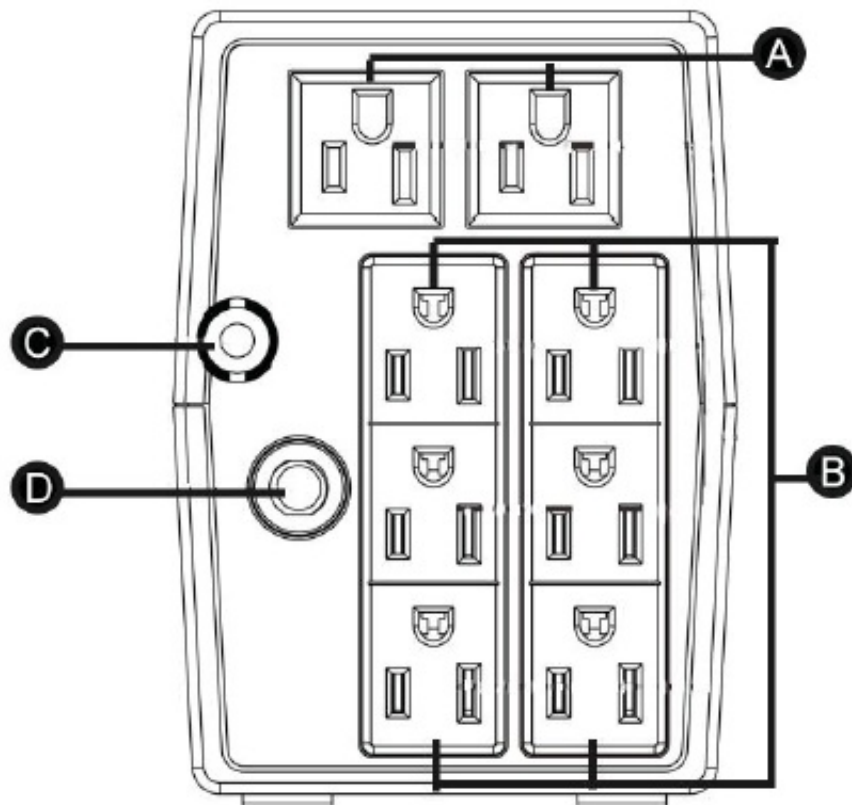
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LED Indicators

LED	Alarm	UPS Status
●	Off	The mains are normal and UPS is operated normally.
★	Sounding every 10 seconds	Power failure occurs and UPS is on battery mode.
★	Sounding every second	Low battery
○	Off	UPS is off.
●	Continuously sounding	UPS fault

● LED on ○ LED Off ★ LED flashing

REAR PANEL



1. Surge protected outlets
2. Battery backup outlets
3. AC input
4. Circuit breaker

NOTE: These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

SAFETY CAUTION

SAVE this INSTRUCTION -This manual contains important instructions that should be followed

During installation and maintenance of the UPS and batteries

- This UPS utilizes voltage that may be hazardous. Do not attempt to disassemble the unit. The unit contains no user-replaceable parts. Only factory service personnel may perform repairs
- This pluggable type A equipment with the battery already installed by the supplier is operator installable and may be operated by laymen.
- The main socket outlet that supplies the UPS shall be installed near the UPS and shall be easily accessible.
- During the installation of this equipment, it should be assured that the sum of the leakage currents of the UPS and the connected loads does not exceed 3.5mA.

- Connection to any other type of receptacle other than a two-pole, three-wire grounded receptacle may result in shock hazard as well as violate local electrical codes.
- In the event of an emergency, press the “OFF” button and disconnect the power cord from the AC power supply to properly disable the UPS.
- Do not allow any liquids or any foreign object to enter the UPS. Do not place beverages or any other liquid-containing vessels on or near the unit.
- This unit intended for installation in a controlled environment (temperature-controlled, indoor area free of conductive contaminants). Avoid installing the UPS in locations where there is standing or running water, or excessive humidity.
- Do not plug the UPS input into its own output.
- Do not attach a power strip or surge suppressor to the UPS.
- Do not attach non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, or vacuum cleaners to UPS.
- Do not dispose of batteries in a fire as they may explode
- Unplug the UPS prior to cleaning and do not use liquid or spray detergent.
- A battery can present a risk of electrical shock and high short circuit current. The following precautions should be observed when working on batteries:
 - Remove watches, rings, or other metal objects from the hands.
 - Use tools with insulated handles.
 - Wear rubber gloves and boots.
 - Do not lay tools or metal parts on top of batteries.
 - Disconnect charging source prior to connecting or disconnecting batteries terminal.
 - Determine if the battery is inadvertently grounded. If inadvertently grounded, remove the source from the ground. Contact with any part of a grounded battery can result in electrical shock. The likelihood of such shock can be reduced if such grounds are during installation and maintenance.
- Internal battery voltage is 12VDC. Sealed, lead-acid, 6-cell battery.
- Servicing of batteries should be performed or supervised by personnel removed knowledgeable of batteries and the required precautions. Keep unauthorized personnel away from batteries.
- When replacing batteries, replace with the same number and type of sealed lead-acid battery.
- Do not open or mutilate the battery or batteries. Released electrolyte is harmful to the skin and eyes. It may be toxic.
- Attention, is hazardous through electric shock. Also with the disconnection of this unit from the mains, hazardous voltage still may be accessible through the supply from the battery. The battery supply should be therefore disconnected in the plus and minus pole at the connectors of the battery when maintenance or service work inside the UPS is necessary.
- To reduce the risk of overheating the UPS, do not cover the UPS' cooling vents and avoid exposing the unit to direct sunlight or installing the unit near heat emitting appliances such as space heaters or furnaces.
- Unplug the UPS prior to cleaning and do not use liquid or spray detergent.
- **WARNING:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

SPECIFICATIONS

MODEL	R -UPR 508	R -UPR 758	R -UPR 1008
CAPACITY	500VA/250W	750VA/375W	1000VA/500W
Input Voltage	110/120 VAC		
Input Voltage Range	81-145 VAC		
Output Voltage Regulation	± 10 % (Bat. mode)		
Transfer Time	Typical 2-6 ms		
Waveform	Simulated Sine Wave		
Battery Type & No	12V/4.5Ahx1	12V/7Ahx1	12V/9Ah x 1
Charging Time	6 hours recover to 90% capacity		
Dimension (DxWxH)	279 x 101 x 142 mm		
Net Weight (kgs)	3.7	4.4	5
Humidity	0-90% RH @ 0-40°C non-condensing)		
Noise Level	Less than 40dB		

TROUBLESHOOTING

Problem	Possible Cause	Solutions
Nothing is displayed on LCD panel.	The UPS is not on.	Press the power switch again to turn on the UPS.
	Battery voltage is too low.	Charge the battery at least 6 hours.
	Battery fault.	Replace the battery.
The UPS always on battery mode.	Power cord loose.	Re -plug the power cord.
The UPS continuously beeps.	Please check the fault code for the details.	Please check the fault code for the details.
Backup time too short.	Battery voltage is too low.	Charge the battery at least 6 hours.
	Overload.	Remove some unnecessary loads. Before reconnecting equipment, please verify that the load matches the UPS capability specified in the specs.
	Battery defect.	Replace the battery.

If any abnormal situations occur that are not listed above, please call for service immediately.

Documents / Resources



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