# CyberPower®
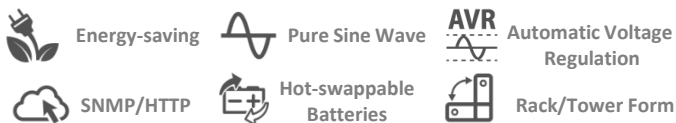
PR1000/1500/2200ELCDRT2U

# Professional (Rackmount) Series

## Extended Power Protection for Mission-critical Applications

**Energy-saving**

**Pure Sine Wave**

**AVR** Automatic Voltage Regulation

**SNMP/HTTP**

**Hot-swappable Batteries**

**Rack/Tower Form**

The Professional Rackmount UPS Series provides advanced level of power protection to servers, telecom equipment, VOIP, internet working hardware and other mission-critical applications.

With Pure Sine Wave output and Automatic Voltage Regulation (AVR) stabilizing the AC signal and maintaining a safe voltage, the UPS ensures safe power levels for the connected equipment without resorting to battery power. The placement-wise design could be configured in either Tower (T) or Rackmount (RM) form with the attached stands and skids to make the most of your workspace.

The optional SNMP/HTTP Remote Management Capability enables remote management and control of the system through standard web browser. Together with the included PowerPanel® Business Edition management software, the UPS can provide administrators comprehensive network power management including unattended-shutdown, event logging, reporting, and notifications.

## APPLICATIONS

- Home and Home Office
- Home Theater System
- Small Office
- Medium Business
- Corporate Data Center
- Networking, Servers & Workstations
- Industrial Equipment

## SERIES FEATURES

- GreenPower UPS™ Technology
- Pure Sine Wave Output
- Line-interactive UPS Topology
- Rack/Tower Convertible Configurations
- Automatic Voltage Regulation (AVR)
- EMI, RFI, Surge and Spike Protection
- Critical Load Outlets
- Phone/Fax/Modem/DSL/Network Protection
- Auto-restart/Auto-charge
- Emergency Power Off (EPO) Port
- Protected On/Off Switch
- Multifunction LCD Readout
- Rotatable LCD Panel
- USB & Serial Connectivity Ports
- Hot-swappable Battery Packs
- User-replaceable Batteries
- SNMP/HTTP Remote Management Capability (Optional)
- PowerPanel® Business Edition Software

### PowerPanel® Business Edition Software
**System Graceful Shutdown Software**

This software can provide orderly shutdown for your computer systems during the event of an extended AC power failure. This software supports Windows, Linux, and Mac operating systems and virtual platforms Vmware, Microsoft Hyper-V, and Citrix XenServer.

*Software functions may vary due to firmware version and/or hardware constraints.

### CISCO Compatible

cisco Compatible

CyberPower® works with Cisco on the latest version of EnergyWise™ Compatibility.
Go to https://cyberpower.com/ww/support/knowledge/energywise for more information.

### ENERGY-SAVING TECHNOLOGY
**GreenPower UPS™ Technology**

The patented advanced energy-saving technology improves the UPS operating efficiency and eliminates energy consumption and heat buildup.
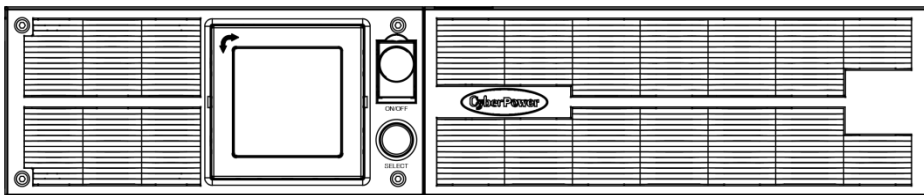
# CyberPower®

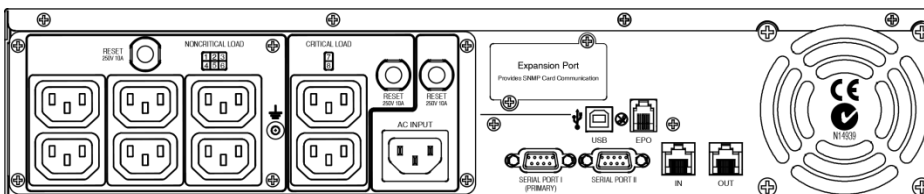# TECHNICAL SPECIFICATIONS

| Model Name | PR1000ELCDRT2U | PR1500ELCDRT2U | PR2200ELCDRT2U |
|---|---|---|---|
| **General** | | | |
| UPS Topology | Line-interactive | Line-interactive | Line-interactive |
| Energy Saving | GreenPower UPS™ Bypass Technology | GreenPower UPS™ Bypass Technology | GreenPower UPS™ Bypass Technology |
| Energy Star Qualified | Yes | Yes | Yes |
| Active PFC Compatible | Yes | Yes | Yes |
| **Input** | | | |
| Nominal Input Voltage | 220/230/240Vac | 220/230/240Vac | 220/230/240Vac |
| Input Voltage Range | 160 – 286Vac | 160 – 286Vac | 160 – 286Vac |
| Input Frequency Range | 50/60 ± 3Hz (Auto-sensing) | 50/60 ± 3Hz (Auto-sensing) | 50/60 ± 3Hz (Auto-sensing) |
| Rated Input Current | 10A | 10A | 16A |
| Plug Type | IEC C14 | IEC C14 | IEC C20 |
| **Output** | | | |
| VA/Watts | 1000/900 | 1500/1350 | 2200/1980 |
| On Battery Waveform | Pure Sine Wave | Pure Sine Wave | Pure Sine Wave |
| On Battery Voltage | 220/230/240Vac ± 5% | 220/230/240Vac ± 5% | 220/230/240Vac ± 5% |
| On Battery Frequency | 50/60Hz ± 1% | 50/60Hz ± 1% | 50/60Hz ± 1% |
| Automatic Voltage Regulation (AVR) | Double Boost, Single Buck | Double Boost, Single Buck | Double Boost, Single Buck |
| Overload Protection | Internal Current Limiting, Circuit Breaker | | |
| Outlets - Total | 8 | 8 | 8 |
| Outlet Type | IEC C13 x 8 | IEC C13 x 8 | IEC C13 x 8 |
| Outlets - Battery & Surge Protected | 8 | 8 | 8 |
| Outlets - Critical Load (CL) | 2 | 2 | 2 |
| Outlets - Non-critical Load (NCL) | 6 | 6 | 6 |
| Typical Transfer Time | 4ms | 4ms | 4ms |
| **Battery** | | | |
| Runtime at Half Load (min) | 22 | 11 | 10 |
| Runtime at Full Load (min) | 6.7 | 2.5 | 2.3 |
| Battery Type | Sealed Lead-acid | Sealed Lead-acid | Sealed Lead-acid |
| Battery Size | 12V / 7.2AH | 12V / 7.2AH | 12V / 9AH |
| Battery Quantity | 4 | 4 | 4 |
| User-replaceable | Yes | Yes | Yes |
| Hot-swappable | Yes | Yes | Yes |
| Typical Recharge Time | 6 Hours | 6 Hours | 6 Hours |
| Replacement Battery Pack | RBP0030 | RBP0030 | RBP0037 |
| Replacement Battery Pack Quantity | 1 | 1 | 1 |
| **Surge Protection & Filtering** | | | |
| Surge Suppression (Joules) | 810 Joules | 810 Joules | 810 Joules |
| EMI/RFI Filtration | Yes | Yes | Yes |
| Phone/Network Protection RJ11/RJ45 | 1-in, 1-out | 1-in, 1-out | 1-in, 1-out |
| **Management & Communications** | | | |
| LCD Panel | Yes | Yes | Yes |
| HID Compliant USB Port | 1 | 1 | 1 |
| Serial  Port | RS232 x 1 + Dry Contact x 1 | RS232 x 1 + Dry Contact x 1 | RS232 x 1 + Dry Contact x 1 |
| Emergency Power Off (EPO) Port | Yes | Yes | Yes |
| LED Indicators | Power On | | |
| Audible Alarms | Battery Mode, Low Battery, Overload, Overcharge, Overheat | | |
| Software | PowerPanel® Business Edition | PowerPanel® Business Edition | PowerPanel® Business Edition |
| SNMP/HTTP Remote Monitoring | Yes, with optional RMCARD20x | Yes, with optional RMCARD20x | Yes, with optional RMCARD20x |
| **Physical** | | | |
| Form Factor | Rack/Tower | Rack/Tower | Rack/Tower |
| **Physical - UPS Module** | | | |
| Dimensions (WxHxD) (mm.) | 433 x 88 x 388 | 433 x 88 x 388 | 433 x 88 x 388 |
| Weight (kg.) | 25.5 | 27 | 30 |
| Installed Rack Height | 2U | 2U | 2U |
| **Environmental** | | | |
| Operating Temperature | 32 °F to 104 °F / 0 °C to 40 °C | 32 °F to 104 °F / 0 °C to 40 °C | 32 °F to 104 °F / 0 °C to 40 °C |
| Operating Humidity | 0% - 95% Non-condensing | 0% - 95% Non-condensing | 0% - 95% Non-condensing |
| Operating Elevation | 0-10,000 feet (0-3,000 meters) | 0-10,000 feet (0-3,000 meters) | 0-10,000 feet (0-3,000 meters) |
| Storage Temperature | 5 °F to 133 °F / -15 °C to 45 °C | 5 °F to 133 °F / -15 °C to 45 °C | 5 °F to 133 °F / -15 °C to 45 °C |
| Storage Relative Humidity | 0% - 95% Non-condensing | 0% - 95% Non-condensing | 0% - 95% Non-condensing |
| Online Thermal Dissipation | 51.2 BTU/hr | 99 BTU/hr | 170.6 BTU/hr |
| **Certifications** | | | |
| Certifications | CE, EAC, RCM | CE, EAC, RCM | CE, EAC, RCM |
| RoHS Compliant | Yes | Yes | Yes |

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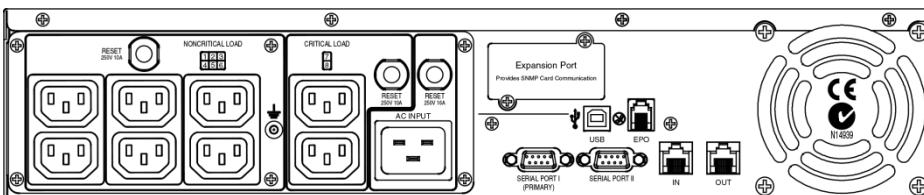
# CyberPower®

## Appearance


Front


Back (PR1000/1500ELCDRT2U)


Back (PR2200ELCDRT2U)