

RIS / PACS Series

MedPowerRx UPS — Models LT and LTR

Purchasing, and installing a new or upgraded RIS / PACS network is an expensive investment for any healthcare facility. Such an investment goes far beyond the required hardware and software, and encompasses the time and resources of the whole “RIS / PACS team”, including the PACS Administrator, the I.T. department, as well as the radiologists and clinical staff who will use the new system.

From a patient’s initial appointment through the final billing process, his/her patient record and images are maintained, accessed, shared, and archived by the clinical staff, radiologists, and referring physicians who login to the RIS / PACS. Whether the RIS / PACS network is dedicated for a single hospital or imaging center, or whether it links a multi-location healthcare enterprise, **loss of power and system downtime is unacceptable!** *

This is why **Controlled Power Company** offers a wide range of single phase UPS products to support your entire healthcare enterprise.

- **MedPowerRx UPS, Models LT and LTR:** 700 VA through 2.1 kVA for servers and workstations.
- **MedPowerRx UPS, Model ES:** 4 kVA through 14 kVA, available 4th Quarter 2009.
- **UltraUPS, MD and HV Series UPS:** For enterprise solutions up to 25 kVA.

* The U.S. Department of Health and Human Services requires that the security of patient data is in compliance with the “Health Insurance Portability and Accountability Act” (HIPAA).

The Controlled Power UPS Difference

Clean, stable, isolated, filtered, and reliable electrical and back-up power is **essential** for the complete RIS / PACS workflow, thereby efficiently supporting the diagnostic process, results interpretation, and report turn-around times — for radiologists, referring physicians and the patient.

Whether installed in standalone imaging centers or throughout large distributed group practices, the **Controlled Power Company family of healthcare UPS’s** take the polluted, fluctuating, and erratic electrical power coming from the utility, and replace it (in the case of complete power outages) with voltage-regulated power for your RIS / PACS network. *As the premium electrical power solution for RIS / PACS networks and healthcare enterprises, **Controlled Power Company’s** UPS’s maintain the necessary back-up electrical power to your network.*

Product Details

The following pages provide additional details regarding the **MedPowerRx UPS, Models LT and LTR**, including features and benefits, UPS communications, and a copy of these products’ General Specifications.

Details about our other UPS products are available on our website, www.controlledpwr.com.

Or call us at **800-521-4792** and an application specialist will assist you in selecting the proper UPS solution!

RIS / PACS Without A Medical UPS

Without reliable, uninterruptible power from the full-featured **Controlled Power Company family of UPS's**, the RIS / PACS network is susceptible to disrupted workflow and lost images, which translates into lost network- and enterprise-wide productivity. Additionally, there is the potential for failed HIPAA compliance in the form of lost and unsecured patient records. Lost data, re-prioritization of cases throughout the work day, and delayed / inconsistent reporting of critical data and exam results — all contribute to lack of billable hours and lower profit margins.

Benefits Of And Results With A Medical UPS

By contrast, the **MedPowerRx UPS, Models LT and LTR**, as well as **Controlled Power Company's** other UPS's offer:

- **Highest level of image / data management and reliability** for the integration of multiple clinical knowledge bases (text, voice, and multi-modality imagery).
- **Seamless transfer to back-up power** promotes a streamlined, efficient workflow, eliminates unnecessary duplication of data, minimizes EHR / EMR data errors, and allows physicians to focus on patient care instead of data restoration.
- **True no-break, clean, stable power** promotes optimum RIS / PACS network performance, and continued returns on the healthcare enterprise's investment.
- **Supports the workflow prioritization and results reporting capabilities** offered by the RIS / PACS network — thus maintaining the communication of critical results, and improving patients' perceptions of the imaging experience.
- **Maximizes uptime in the "digital communication loop"** between the clinicians, radiologists, referring physicians, and patients.
- **Enhances and ensures HIPAA compliance, disaster recovery, and business continuity** by assuring that all sensitive data is protected from loss during power sags, surges, and outages.

Total Power Security for EHR / EMR, PACS, and RIS-Driven Workflow

Compatible with all EHR / EMR and RIS / PACS networks, the **MedPowerRx UPS, Models LT and LTR**, as well as **Controlled Power Company's** other UPS's, are designed to maximize back-up power, protect the data and image networks, and monitor all key parameters of electrical power including a log of events — total power security!

Technical Features of the Models LT and LTR

- Steady, regulated voltage to $\pm 3\%$ extends the life of servers and workstations in the EHR / EMR and RIS / PACS networks.
- Conditioned, transient-free sine wave output matches the system requirements of the networks.
- Standard, built-in isolation.
- No-break, continuous power provides seamless switching to battery backup.
- Patented "Fuzzy Ranging"TM control extends battery life and backup time.
- Generator compatible.
- Optional extended back-up time.
- Optional "NetMinder"TM UPS Management and Monitoring Suite" communications software and Ethernet adapters.

User-Friendly Full Monitoring And Diagnostics

Bright, Digital Display Provides System Parameters

- Input Voltage
- Output Voltage
- Percent of Battery Capacity
- Percent Load
- Percent of Battery Charged

LED Indicators Provide System Status

- System On (Green)
- System On Battery (Yellow)
- Low Battery Warning (Red)

Performance Specifications

- Input: 120, 208, or 240 VAC at 60 Hz
- Output: 120, 120/208, or 120/240 VAC at 60 Hz
- Input Operating Range: +10%, -30% typical
- Input Operating Frequency: 60 Hz, ± 2.5 Hz
- Output Line Regulation: $\pm 3\%$ typical
- Output Load Regulation: Typically better than $\pm 3\%$
- Surge Protection: Conforms to UL 1449 rating 330 VAC; ANSI / IEEE C62.41 cat. B3 wave
- Common Mode Noise Attenuation: 120 dB
- Transverse Mode Noise Attenuation: 70 dB

Standards

- UL / cUL 1778, 1449
- National Fire Protection Association (Article 70)
- National Electric Code (NEC)
- FCC (Article 15 Cat. A)



MedPowerRx Models LT and LTR — Single Phase 700 VA To 2.1 kVA

MODEL	VA	WATTS	** FULL LOAD BATTERY RUNTIME	HALF LOAD BATTERY RUNTIME	UNIT WEIGHT
LT*700H	700	500	11.5 min.	30 min.	70 lbs.
LT*850H	850	600	9 min.	24 min.	70 lbs.
LT*1000H	1000	700	7 min.	15 min.	75 lbs.
LT*1200H	1200	850	12 min.	27 min.	104 lbs.
LT*1400H	1400	1000	8 min.	23 min.	104 lbs.
LT*1600H	1600	1200	7 min.	17.5 min.	104 lbs.
LT*1800H	1800	1300	9.5 min.	26 min.	123 lbs.
LT*2100H	2100	1500	7.5 min.	21.5 min.	123 lbs.

* (in the model number) = R, for rackmountable cabinet.

** Extended runtimes available.

All LT cabinet dimensions are 8.125" W x 17.5" D x 17.5" H.

All LTR cabinet dimensions are 19" W x 20" D x 8.75" H.

Both LT and LTR are standard equipped with (3) 5-20R2 receptacles (USA), or (3) 5-15R2 receptacles (Canada); hardwired interface available.

Both LT and LTR are standard equipped with an input line cord and plug.
 700 VA to 1600 VA: 5-15P (120 VAC); 6-15P (208/240 VAC)
 1800 VA to 2100 VA: 5-20P (120 VAC); 6-15P (208/240 VAC)

NOTE: Models LT700 and LT850 can be shipped via United Parcel Service.

Each of the **MedPowerRx Models LT, LTR, and ES**, as well as the **UltraUPS, MD, and HV Series UPS** products are compatible with **Controlled Power Company's NetMinder** UPS communications products. The **NetMinder UPS Management Suite** and **NetMinder CS121 Series of Ethernet Adapters** inform of the status and condition of the UPS and the incoming electrical power, as well as protect the EHR / EMR and RIS / PACS networks from unwanted downtime and unnecessary maintenance costs.

NetMinder UPS Management Suite Programs (CD)

NetMinder UPSMAN

Performs all UPS monitoring and data logging. Executes all alarm notifications, network configurations, and server shutdown requests.

NetMinder UPSMON

Works in conjunction with UPSMAN to give a visual display of UPS status, electrical parameters, alarm conditions, and system logs.

NetMinder RCCMD

Client-side application that performs an orderly, unattended shutdown of servers. RCCMD can receive its shutdown instructions from either a UPSMAN server, a UNMSII server, or a CS121 web server.

NetMinder UNMSII (basic version)

Server-side application that centralizes monitoring and e-mail alarm reporting of up to (9) **Controlled Power Company** UPS's, from a single terminal. Note that the full version of UNMSII includes SNMP notification, as well as the ability to monitor up to an unlimited number of UPS's. Contact **Controlled Power Company** for additional details.

NetMinder CS121 Series of Ethernet Adapters

The NetMinder CS121 series of adapters provide complete integration of the UPS into an Ethernet or RS485 network, and thereby provide 24 / 7 monitoring of UPS status, electrical parameters, and notification of alarm conditions. With the ability to communicate in Ethernet TCP/IP, MODBUS TCP, and MODBUS RS485 network environments, the CS121 adapters keep system personnel informed and alerted to any critical condition. When used with NetMinder RCCMD, all CS121 adapters provide added network protection from downtime, and prevent unnecessary maintenance costs that result from data corruption and server crashes.

The NetMinder CS121 Ethernet Adapter is available in (3) unique versions:

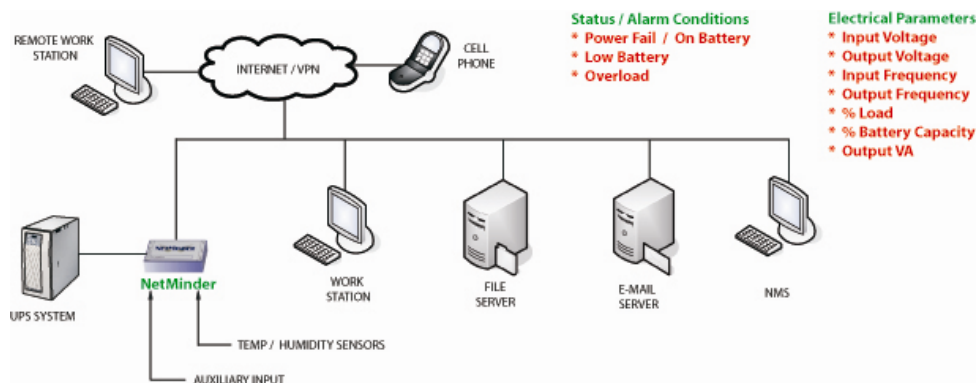
CS121B: Ethernet / SNMP / TCP/IP Adapter

CS121L: Advanced Ethernet / SNMP / TCP/IP / MODBUS TCP Adapter with facilities monitoring I/O and auxiliary contact closure inputs.

CS121L-485: Advanced Ethernet / SNMP / TCP/IP / MODBUS TCP / MODBUS RS485 Adapter with auxiliary contact closure inputs.

NetMinder CS121 Features & Benefits

- Real-time Remote UPS Monitoring
- Web Server Based
- MODBUS ASCII and RTU
- Graphic Event and Data Trending
- Exportable Data and Event Logging for Trending Analysis and Troubleshooting



Alarm and event notification via local and remote monitoring, e-mail, and cell phone text messaging.