

## MedPower<sub>x</sub> UPS

PATIENT VICINITY SERIES  
MODEL LT/M

**Uninterruptible power for  
patient / attendant vicinity  
medical systems.\***

Applications:

- Mammography
- Ultrasound
- Fluoroscopy
- Gamma Cameras
- Lithotripsy
- Laser Systems
- Dialysis
- Blood Analyzers
- Laboratory Equipment
- Mass Spectrometers
- Film Processors
- Dental
- Telemedicine Communications
- Hospital Room PC's & Networking Equipment
- Nurse Call Stations

**CE** Certified

C-UL Listed:



UL 60601-1  
CSA C22.2, No. 601.1-M90

UL 1778  
CSA C22.2, No. 107.1-M91



Shown with optional wheeled cart.



**CONTROLLED POWER COMPANY**

# FEATURES, SPECIFICATIONS & PRODUCT SELECTION

Controlled Power Company engineers and manufactures the industry's highest quality **electrical power solutions**, capitalizing on 40 years of expertise. We have an enviable reputation for quality, which is reflected in the design, workmanship, and performance of our products.

The "**MedPowerx, Model LT/M**" **medical-grade UPS** is the ideal power quality solution for patient vicinity PCs and medical systems.\* The voltage regulation and performance characteristics of the **LT/M** offer a significant advantage over competing products. As a single phase power protection system, the **LT/M** assures steady, regulated voltage of  $\pm 3\%$  (typical) which provides proven performance and extends the life of your medical equipment.

## System Features & Benefits

- Continuous, uninterrupted sinewave output with less than 3% harmonic distortion, any single harmonic.
- Less than 300 micro-amps leakage current reduces the electric shock hazard in case of a loss of ground condition.
- (3) NEMA 5-20R2 (5-15R2 for Canada) duplex medical-grade output receptacles.
- Built-in isolation protects the load from damaging power disturbances.
- "Hot start" feature for mobile operations.
- Numeric, 3-digit LED, display panel identifies system status and alarm conditions.
- Serial communication and contacts for remote monitoring of system status and alarms.
- Optional "DataGuard Advanced" software for remote monitoring of electrical parameters, system status and alarms, as well as unattended shutdown of system computer or network server.
- Optional specially-designed wheeled cart enables UPS portability.

## Standards & Safety

- IEEE 62.41 Category B, for surge suppression
- IEC 555
- C-UL Listed: UL 60601 Listed (patient vicinity)  
C-UL CSA C22.2, No. 601.1-M90  
UL 1778  
C-UL CSA C22.2, No. 107.1-M91

## Product Specifications

- Medical-grade input plug / output receptacles
- Input Operating Voltage: 120V AC
- Input Operating Voltage Range: +10%, -30% typical, load-dependent, without battery usage
- Input Frequency: 60 Hz,  $\pm 2.5$  Hz
- Input Power Factor: Self-correcting to  $>.95$
- Input Current Harmonics:  $< 3\%$  total harmonic distortion
- Leakage Current:  $< 300$  micro-amps
- Load Crest Factor 3:1
- Load Voltage Regulation:  $\pm 3\%$  or better
- Line Voltage Regulation:  $\pm 3\%$  or better
- Standard Unit Operating Temperature: 0° C to 40° C (32° to 104° F) without derating in any mode, at elevations up to 1500 meters (5000 feet)
- Total System MTBF: Approx. 100,000 hours (11 years), excluding batteries  
MTTR: Less than 1 hour

## LT/M PRODUCT SELECTION GUIDE

MODEL NUMBERS	VA	WATTS	BTU'S / HOUR	WEIGHT (LBS.)	DIMENSIONS
LT/M 700	700	500	256	50	8.125" W x 17.5" H x 17.5" D
LT/M 850	850	600	307	50	8.125" W X 17.5" H X 17.5" D
LT/M 1000	1000	700	358	55	8.125" W X 17.5" H X 17.5" D
LT/M 1200	1200	850	435	60	8.125" W X 17.5" H X 17.5" D
LT/M 1400	1400	1000	512	60	8.125" W X 17.5" H X 17.5" D
LT/M 1600	1600	1200	561	60	8.125" W X 17.5" H X 17.5" D
LT/M 1800	1800	1300	598	70	8.125" W X 17.5" H X 17.5" D
LT/M 2100	2100	1500	670	70	8.125" W X 17.5" H X 17.5" D

**Notes:** Consult factory for "full load" and "half load" battery runtimes, as well as available extended run times.

Weights listed do not include batteries or weight of mobility cart. Consult factory for total weight.

**Warranty:** Controlled Power Company guarantees the unit to be free from defects in materials and workmanship for a period of (1) year following shipment from the factory.

**\*Disclaimer:** Controlled Power Company does not recommend or accept any liability for this product being used with ventilators or any other life support systems.



"World's recognized authority in power treatment"

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