



HEALTHCARE

APPLICATION GUIDE

Power Solutions Across Every Industry

INDUSTRY OVERVIEW

In healthcare environments, power reliability directly impacts patient safety and care continuity. Medical imaging equipment, patient monitoring systems, EMR/EHR servers, nurse call systems, and medication dispensing cabinets all require clean, uninterrupted power.

Healthcare facilities face unique challenges: aging electrical infrastructure, large motor loads from HVAC and imaging equipment, and strict regulatory requirements including HIPAA data protection, Joint Commission standards, and CMS conditions of participation. Power quality problems don't just cause IT downtime — they can compromise patient care and create compliance exposure.

WHY INSTALL POWER PROTECTION FOR HEALTHCARE?

Patient Safety

Power interruptions to patient monitoring, infusion pumps, and life-support equipment can have direct clinical consequences. Clean power prevents false alarms and data loss.

EMR/EHR Protection

Electronic Medical Record systems are the backbone of modern healthcare. Power events cause database corruption, provider lockouts, and documentation gaps.

Regulatory Compliance

Joint Commission, CMS, and HIPAA all require continuous access to patient data and clinical systems. Power-related downtime creates compliance risk.

Imaging & Diagnostics

CT, MRI, ultrasound, and X-ray systems are extremely sensitive to power quality. Harmonics and voltage sags cause image artifacts and exam failures.



This application guide helps healthcare facility managers, biomedical engineers, and IT professionals select power protection solutions for patient-critical devices and healthcare IT infrastructure.

EQUIPMENT PROTECTED

- Patient Monitoring Systems
- EMR/EHR Servers & Workstations
- Medical Imaging Equipment
- Nurse Call Systems
- Medication Dispensing Cabinets
- Diagnostic Lab Equipment
- Telemedicine Endpoints
- Clinical Network Infrastructure

RECOMMENDED MINUTEMAN SOLUTIONS

Encompass® LCD Online UPS (1–3kVA)

- True double-conversion — zero transfer time
- TAA Compliant — VA and DoD healthcare procurement
- Ideal for imaging equipment and monitoring systems
- True sine wave output
- Local status LCD display
- Tower form for clinical equipment rooms
- Extended runtime with extended battery modules

Encompass® RTX Online UPS (1–3kVA)

- TAA Compliant — VA and DoD healthcare procurement
- Compact online protection for clinical areas
- Rack/Tower form factor
- [SNMP](#)-ready for biomed monitoring
- Extended runtime with extended battery modules

Endurance® Lithium Online

- LiFePO4 — safer battery chemistry
- 10-year battery design life reduces service disruption
- High-density double-conversion
- Ideal for medication dispensing and nursing stations

Endeavor® 5–10kVA Online

- Large-capacity for healthcare data centers
- Advanced power factor correction
- LCD panel, [SNMP](#) slot
- [SNMP](#) monitoring ready
- Extended runtime with extended battery modules

PRO-RT2U® Line Interactive UPS (750–2000VA)

- Rack/Tower for clinical IT closets
- AVR for brownout-prone hospital environments
- Hot-swap batteries — minimize disruption
- USB & RS-232 communications
- [SNMP](#) monitoring ready

OE SERIES POWER DISTRIBUTION UNITS (PDU)

[OE Series Basic PDU](#) — Rack-Mount Power Distribution

OE Series PDUs distribute UPS-protected power within healthcare IT racks — organizing connections to EMR servers, network switches, nurse call controllers, and clinical workstation infrastructure.

- Horizontal rack-mount form factor — 1U or 0U vertical configurations
- Multiple outlet counts (6, 8, 10, 12, 14, 16, 20) to match any deployment
- 15A and 20A circuit breaker options for standard and high-power loads
- Cost-effective power distribution — delivers clean UPS power to every device in the rack

ACCESSORIES, SOFTWARE & SUPPORT

[RPM® Remote Power Managers](#)

Remote outlet management for distributed clinical equipment rooms. Per-outlet energy monitoring. [SNMP](#)/web management integrates with hospital building management systems.

[SNMP Monitoring Cards](#)

Real-time UPS visibility for biomedical engineering and hospital IT teams. Integrates with healthcare facility monitoring and DCIM platforms.

[SentryHD Software](#)

Automated graceful shutdown of EMR servers during extended outages. Multi-UPS monitoring with email/SMS alerts for biomedical and IT teams.

[Power Cabinets \(24U/42U\)](#)

Organized, locking rack enclosures for medical IT rooms and equipment closets. Structured cable management for clinical environments. Pre-populated, customized solutions available for plug-and-play deployment.

Free Online Tools

www.sizemyups.com

www.sizemypdu.com

www.comparemyups.com