



Healthcare Power Solutions

**Prostar UPS Systems are ideal for integration
into all medical equipment applications.**



Supporting critical equipment for patients' safety

Paramount Patient Care

With patient care on the line, there is no room for downtime. For the healthcare industry, ensuring a quality environment of patient care is paramount. New technologies from digital imaging to security-enhancing baby finders are helping to reduce errors, improve care and decrease costs simultaneously.

Isolation Level UPS

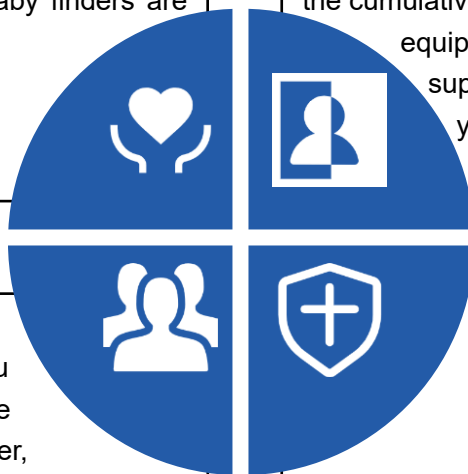
Prostar Medical-Grade UPS Systems provide the maximum level of power protection when used with equipment in patient-care areas. They both feature built-in isolation transformers to reduce the cumulative leakage currents of all connected equipment. Full isolation provides a superior level of safety and quality for your most critical medical applications.

Whether it's inside the exam room or at the nurse's station, you can rely on Prostar Medical Grade UPS systems for end-to-end power, reliability, and safety.

End-to-End Power Supply

Best-in-class patient care requires best-in-class power protection. Prostar Medical Grade UPS systems safeguard against equipment damage, power interruptions, system errors and other power supply malfunctions that could compromise patient comfort, safety, or data.

Best Power Protection



Areas in the hospital that can benefit from UPS System

Medical Equipment



- Surgical Equipment
- Patient Monitoring Systems
- Patient Therapy System
- Patient Care Equipment
- Infusion Pump
- Ventilator
- Operating Room
- Emergency Room

Provide regulated power to ensure flawless performance. Keep mission-critical equipment operational 24x7. Reduce service, repair, and replacement costs, materials and lab/staff time.

Clinical Lab Equipment



- Immunoassay Systems
- In Vitro Diagnostic Systems
- Microbiology Diagnostic Systems
- Clinical Chemistry Analyzers
- Blood Analysis Machines
- Chemical Laboratory Equipment

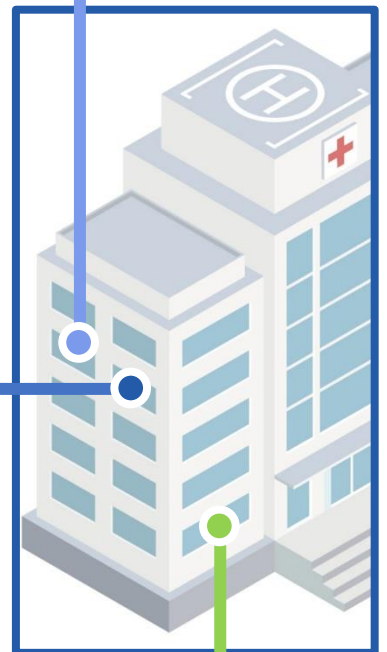
Prevent data errors to provide accurate test results. Prevent diagnosis and treatment delays that compromise patient care. Prevent waste of costly testing materials and lab/staff time.

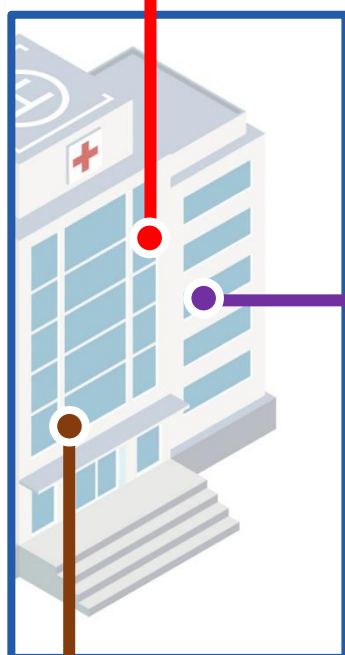
Mobile Power Applications



- Medical Carts
- Display Equipment
- Testing and Diagnostic Equipment
- CPU-Based Systems

Add AC power to new or existing mobile medical carts and other equipment. Accommodate multiple battery types. Eliminate the need for rebooting when moving between rooms.





Ophthalmology Equipment



- Stereoscopic Visualization Systems
- Digital Imaging Systems and More

Prevent equipment damage and interruptions to operation that interfere with testing. Ensure equipment reliability and performance.

Diagnostic Imaging Systems



- Ultrasound Scanners
- Mammography Units
- Magnetic Resonance Imaging (MRI) Systems
- Computed Tomography (CT) Scanners
- Positron Emission Tomography (PET) Systems
- Nuclear Medicine Equipment
- X-ray Machines

Prevent lock-ups, system errors, malfunctions and poor image quality that require rescans, compromise patient comfort/convenience and delay physician review/diagnosis.

Healthcare IT Equipment



- Servers
- CCTV
- Network/Telecom Hardware
- Storage
- Desktop Computers
- Data Center
- Administrative/Business Offices
- Nurses' Stations
- Reception

Protect valuable data from loss or corruption. Keep vital communications operational. Area where we are supervising the security of the hospital, access of the parking area.

What medical power problems can be solved by Prostar UPS?

Power Problem Effects	Power Problem Causes	Prostar UPS Healthcare Solutions
BLACKOUTS ● Interruption in patient service ● Loss or corruption of active patient data ● Information system downtime	● Utility company failure ● Locally tripped circuit breakers ● Accidental AC line disconnection	Provide battery backup power to allow enough time to complete procedures and safely shut down systems.
BROWNOUTS ● Interruption in patient service ● Loss or corruption of active patient data ● Slow electronic degradation	● Inadequate electrical infrastructure within older facilities ● Inadequate utility service (demand outstripping supply) ● Increased usage within a facility from heavy-consumption electrical devices (air conditioning, printers, etc.)	Take the widest range of incoming voltage and automatically adjust it to nominal voltage AC power.
SURGES ● System lockups and data errors ● Interruption in patient service ● Equipment damage from slight to catastrophic	● Utility company load shifting ● Mis wired electrical service ● Lightning strikes	● Isolation Transformers ● Surge Suppressors (Absorb and shunt damaging surges to safety ground.)
EMI/RFI LINE NOISE ● System lockups and data errors ● Interruption in patient service ● Audio/video signal distortion ● Slow electronic degradation	● Radio transmissions ● Fluorescent lighting ● High voltage power lines ● Motor-driven equipment and appliances	● Isolation Transformers ● Surge Suppressors ● Filter distortion and provide stable waveforms

UPS Offers

Effective solutions ensuring uptime for every modality

Not all of a hospital's power protection needs will be based in the data center. To enhance the availability of utility power to the non-IT aspects of the hospital, Prostar offers a full line of power protection solutions. These single-phase and three-phase UPSs are ideal for ensuring that only high-quality power reaches the various types of modalities, strengthening your overall availability.

Single-phase Online UPS

Prostar single phase online UPS protects your critical hardware from damaging surges and power failures, boosting availability levels for critical applications.



- ◆ Available from 500VA to 30KVA
- ◆ Designed to be installed rack or cabinets
- ◆ Frequency and voltage regulation
- ◆ Battery failure notification
- ◆ Automatic restart of loads after UPS shutdown

Three-phase Online UPS

Prostar three-phase online UPS, 10-600 kVA, come parallel-ready to give you the highest power availability for your most critical applications. These 3 phase UPS come with small footprints and flexible designs and are readily adaptable and scalable to handle each power event without a break in service.



- ◆ Double conversion topology UPS for ultra-high efficiency and power protection with harmonic free input rectifier
- ◆ Comes parallel-ready, so you can pay as you grow and meet your future needs
- ◆ Frequency and voltage regulation
- ◆ Intelligent battery management
- ◆ Full color text and mimic diagrams that easily display modes of operation, systems parameters, and alarms