



APPLICATION GUIDE

Power Solutions Across Every Industry

INDUSTRY OVERVIEW

Point of Sale (POS) systems are the revenue heartbeat of any retail operation. When power fails mid-transaction, the consequences are immediate: lost sales, frustrated customers, corrupted transaction data, and potential payment processing errors.

Retail environments face unique power challenges. Checkout lanes, kitchen display systems, receipt printers, barcode scanners, and payment terminals all depend on clean power — yet retail spaces often share electrical circuits with lighting, HVAC, and refrigeration equipment that create constant voltage fluctuations.

WHY INSTALL POWER PROTECTION FOR POS SYSTEMS?

Transaction Protection

A mid-transaction power outage can corrupt payment data, lose the sale, and require voiding and re-ringing — creating lines and customer frustration.

Data Integrity

POS servers store inventory, pricing, employee records, and sales history. Power events cause database corruption that can take hours to resolve.

Equipment Protection

Receipt printers, touchscreens, and payment terminals are sensitive to surges and brownouts common in retail electrical environments.

Multi-Location Challenges

Retail chains need consistent power protection across hundreds of locations with limited on-site IT staff to manage and maintain systems.



This application guide helps retail operators, IT managers, and system integrators select power protection solutions for POS terminals, payment processing, and retail back-office equipment.

EQUIPMENT PROTECTED

- POS Terminals & Touchscreens
- Receipt & Label Printers
- Cash Drawers
- Payment Processing Terminals
- Barcode Scanners
- Kitchen Display Systems (KDS)
- Back-Office POS Servers
- Network Switches & Routers

RECOMMENDED MINUTEMAN SOLUTIONS

[Enspire-G® Standby UPS \(450–900VA\)](#)

- Compact form fits under checkout counters
- Powers individual POS lanes
- USB charging ports on select models
- USB management port
- Affordable per-lane deployment

[Entrust-LG® Line Interactive \(550–2000VA\)](#)

- AVR stabilizes power for sensitive POS equipment
- Ultra-compact for under-counter mounting
- USB charging ports on select models
- Quiet operation for retail floor
- Multiple outlet configurations

[PRO-RT2U® Line Interactive \(750–2000VA\)](#)

- Rack/Tower for back-room server closets
- Protects POS servers and network gear
- LCD status display for easy monitoring
- [SNMP](#) communication card slot
- Hot-swap batteries on select models

[SR Series Line Interactive \(1000VA-1500VA\)](#)

- Shallow depth for retail network closets
- Ideal for space-constrained back rooms
- Line interactive with AVR
- Protects against surges and brownouts

OE SERIES POWER DISTRIBUTION UNITS (PDU)

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

OE Series PDUs organize UPS-protected power distribution within back-room retail server racks — delivering clean power to POS servers, switches, and network equipment from a centralized UPS.

- 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 clean power distribution delivered to every device in the rack

ACCESSORIES, SOFTWARE & SUPPORT

[RPM® Remote Power Managers](#)

Remote outlet control for multi-location retailers. Scheduled reboots after hours eliminate unnecessary truck rolls. Web-based management from any browser.

[SNMP Monitoring Cards](#)

Centralized fleet monitoring across all store locations. Integrates with retail NOC platforms for proactive power event management.

[SentryHD Software](#)

Automated graceful shutdown of POS servers during extended outages. Email/SMS alerts keep regional IT managers informed.

Free Online Tools

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