

P11VNT3 NETWORK SURGE ARREST

- 8 AC Outlets (2 always on) Plus 100Base-T and Token Ring Protection to Protect a LAN
- Built-in 100Base-T4/TX, 10Base-T and Token Ring Protection to Prevent Surges from Damaging Connected LAN Equipment
- Accommodates up to 6 Transformer Blocks (3 without Covering Other Outlets)
- Recessed Master On/Off Switch, Prevents Accidental Turn-off
- Cord Management Straps • 15 Amps Max Current
- \$25,000 Lifetime Equipment Protection • 480 Joules

BADGER PART NUMBER:

P11VNT3



P11VNT3

P8T3 NETWORK SURGE ARREST

- 7 AC Outlets Plus 2-Line (4-wire) RJ45 Connection Protection
- Protects Modems, Fax, Answering Systems
- Building/Site Wiring Fault Indicator to Detect Dangerous Wiring Problems
- Protection Working Indicator to Alert User that Suppressor has been Damaged
- Built-in Single Line (2-wire) Protection • 15 Amps Max Current
- Right-Angle Plug Keeps the Plug and Cord Flush to the Wall
- Catastrophic Event Protection • Lifetime Product Warranty
- \$25,000 Lifetime Equipment Protection • 480 Joules

BADGER PART NUMBER:

P8T3



P8T3

PRO8T2 PROFESSIONAL SURGE ARREST

- 8 AC Outlets (2 always on) Plus 2 Line (4-wire) Protection, Internet Protection, Modems, Fax, Answering Systems
- Accommodates up to 6 Transformer Block (3 without covering other outlets)
- 8 Outlets to Handle all Computer and Peripheral Equipment
- 2 "Always On" Outlets for Devices that Require Constant Power
- Master On/Off Switch • 320 Joules • 15 Amps Max Current
- Easily Accessible Yet Recessed to Prevent Accidental Turn-Off
- \$10,000 Lifetime Equipment Protection

BADGER PART NUMBER:

PRO8T2



PRO8T2

PRO7T PROFESSIONAL SURGE ARREST

- 7 AC outlets plus 2-line (4-wire) RJ45 • 15 Amps Max Current
- Connection Protection Protects Modems, Fax, Answering Systems
- Building/Site Wiring Fault Indicator to Detect Dangerous Wiring Problems
- Protection Working Indicator to Alert User that Suppressor has been Damaged
- Right-Angle Plug keeps the Plug and Cord Flush to the Wall
- Catastrophic Event Protection • Lifetime Product Warranty
- \$10,000 Lifetime Equipment Protection • 320 Joules

BADGER PART NUMBER:

PRO7T



PRO7T

PER7 PERSONAL SURGE ARREST

- 7 Outlets Plus 1 Line (2-wire) Protection for RJ11 Connectors
- Protects Modems, Fax, Answering Systems • 240 Joules
- Building/Site Wiring Fault Indicator to Detect Dangerous Wiring Problems
- Wiring Fault Indicator to Detect Dangerous Wiring Problems
- Protection Working Indicator to Alert User that Suppressor has been Damaged
- Catastrophic Event Protection • Lifetime Product Warranty
- \$2,500 Lifetime Equipment Protection • 15 Amps Max Current

BADGER PART NUMBER:

PER7



PER7

NET9RMBLK RACK-MOUNT SURGE ARREST

- 9 AC Outlets (1 always on) • 15-ft. Power Cord
- Plug-Pull Protection Brackets • Catastrophic Event Protection
- Cord Management • Lighting and Surge Protection
- Noise-Filtering • Protection Working Indicator
- Lifetime Product Warranty
- \$25,000 Lifetime Equipment Protection
- 1700 Joules • 15 Amps Max Current

BADGER PART NUMBER:

NET9RMBLK



NET9RMBLK

P6B

Essential A/V Surge Protector, 6-outlet

- 6 AC Outlets • Surge Protection
- Let-Through Voltage < 330
- eP Joule Rating 1080
- Lightning and Surge Protection
- Protection Working Indicator
- Status Indicator LEDs
- \$25,000 Lifetime Equipment Protection
- 490 Joules • 15 Amps Max Current

BADGER PART NUMBER:
P6B



P6B

P7V

Audio/Video Surge Protector-7 Outlet with Coax

- 7 AC Outlets • Let-Through voltage < 330
- eP Joule Rating 1080 15 Amps Max Current
- Cable Line Protection • Coax Protection
- IEEE Let-Through rating/UL 1449-Compliance
- Fail-Safe Mode
- Lightning and Surge Protection
- Noise-Filtering • Status Indicator LEDs
- Transformer Block Spacing

BADGER PART NUMBER:
P7V



P7V

P74

With RJ11 Protection - 4 ft. Cord

P7T

With Modem/Fax/DSL Protection - 7 ft. Cord

With RJ11 Protection (2-wire single line)

Audio/Video Surge Protector-7 Outlet with Coax

- 7 AC Outlets • Let-Through Voltage < 330
- Lifetime Equipment Protection Policy up to \$25,000
- eP Joule Rating 1080 15 Amps Max Current
- Building Wiring Fault Indicator
- Catastrophic Event Protection
- IEEE Let-Through rating/UL 1449 Compliance
- Lightning and Surge Protection
- Noise-Filtering • Transformer Block Spacing
- P7T offers Modem/Fax/DSL Protection
- P74 has 4 foot cord and P7T has 6 foot cord

BADGER PART NUMBER:

P74 4ft. Cord
P7T 7ft. Cord



P74

PROTECT NET: NETWORK AND PC SYSTEM SURGE PROTECTION

PTEL2R

Modular Dataline Surge Suppression for Network, Telecommunications and PC System Protection

- Dataline Protection, such as Fax/Modem/DSL
- Pins Protected: 1, 2, 3, 4 (RJ-11); 3, 4, 5, 6 (RJ-45) • Peak +/-6000 V
- Breakover Voltage 8 V

BADGER PART NUMBER:
PTEL2R



PTEL2R

PNOTEPROC8

APC Surge Arrest Notebookpro C8 with TEL/NET 100-240 V

- Reliable power protection for Notebook Computers, Fax and Answering Machines
- Includes: (2) 1.8 Meter Tel Cables, Network Patch Cable, Cord Management Straps, Manual

BADGER PART NUMBER:
PNOTEPROC8



PNOTEPROC8

P1T

APC Essential Surge Arrest 1 Outlet with TEL 120 V

- Reliable power protection for Notebook Computers, Fax and Answering Machines
- Includes: RJ11 Cable, User Manual

BADGER PART NUMBER:
P1T



P1T

PNET1GB

Ethernet 10/100/1000 Base-T/Token-Ring Surge Protector (RJ45)

- Protects 100Base-T, 10Base-T and Token-Ring Network Interface Cards, Hubs or LAN Equipment
- Pins Protected: 1- 8 on RJ-45 Connector
- Peak Voltage +/-6000 V
- Breakover Voltage 8 V

BADGER PART NUMBER:
PNET1GB



PNET1GB

PNOTEPROC6

APC Surge Arrest Notebookpro C6 with TEL/NET 100-240 V

- Reliable power protection for Notebook Computers, Fax and Answering Machines
- Includes: (2) 1.8 Meter Tel Cables, Network Patch Cable, Cord Management Straps, Manual

BADGER PART NUMBER:
PNOTEPROC6



PNOTEPROC6

Audio-Video Solutions for use in Home Theatre Systems

A single component that eliminates all power threats and adds protection to your home theater systems

C2/C TYPE AV power filters

AV C Type 2-Outlet Wall-Mount Power Filter, 120 V

- 2 Always on Outlets • Building wiring fault indicator • Let-Through Voltage <40
- eP Joule Rating 3,400 • Catastrophic Event Protection • Detachable Power Cord
- IEEE let-through ratings and regulatory agency compliance • Lightning and Surge Protection
- Noise-Filtering • Overload Indicator • Protection Working Indicator • Right-Angle Plug
- Status Indicator LEDs • Standard Lifetime Warranty • \$350,000 Lifetime Equipment Protection

BADGER PART NUMBER:

C2



C2

SMART-UPS XL: EXPANDABLE, EXTENDED RUNTIME BATTERY BACKUP

APC Smart-UPS XL Series are designed for mission-critical applications where long runtimes are essential. Telephone PBXs, Servers, Order-Entry PCs and Critical Data Links. Runtime can be added by simply plugging in additional battery packs. Smart-UPS Rack-Mount Versions are also available.

SMX750

- 6 AC Outlets • DB9 Monitor Port • 24% "Double Boost" Capability
- Transfer Time: 2-4 Milliseconds • Pure Sine Wave Output
- Capacity: 700 V-Amps • 450 Watts • 480 Joules
- Two 12 V, 17 AH Sealed, Lead-Acid, Maintenance-Free Batteries
- Includes PowerChute Plus Software • SmartSlot™ Accessory
- 3-6 year Batteries
- Lifetime Warranty
- Card-Compatible
- 57 lbs. • USB Port



SMX750

BADGER PART NUMBER:

SMX750

SMX2200RMHV2U

- 9 AC Outlets • DB9 Monitor Port • Transfer Time: 2-4 ms
- Pure Sine Wave Output • Output Capacity: 1850 Watts/1850 VA
- 880 Joules • 3-5 Year Batteries • 2-Year Standard Warranty
- 12 V, 17 AH Sealed, Lead-Acid, Maintenance-Free Battery
- Includes PowerChute Plus Software



SMX2200RMHV2U

BADGER PART NUMBER:

SMX2200RMHV2U

SUA48XLBP

48V Battery Pack Tower/Rack Convertible for SUA2200 and SUA3000VA 5U models

(Limit 10 per UPS)

BADGER PART NUMBER:

SUA48XLBP



SUA48XLBP

SUA48RMXLBP3U

48V RM 3U Battery Pack for SUA2200 and SUA3000VA 3U models

(Limit 10 per UPS)

BADGER PART NUMBER:

SUA48RMXLBP3U

SMX1000

- 6 AC Outlets • DB9 Monitor Port
- Transfer Time: 2-4 Milliseconds
- Pure Sine Wave Output • 670 Watts
- Capacity 1000 V-Amps • 480 Joules
- Response Time: <5 ns
- Two 12 V, 17A H Sealed, Lead-Acid, Maintenance-Free Batteries, 3-6 Year
- Lifetime Warranty • 61 lbs.
- Includes PowerChute Plus Software
- SmartSlot Accessory Card-Compatible



SMX1000

BADGER PART NUMBER:

SMX1000

Smart-UPS

APC Smart-UPS X 2200VA Rack/Tower LCD 100-127V

- APC Smart-UPS • 1980 Watts/2200 VA • Input 120V/Output 120V
- Interface Port SmartSlot • Extended runtime model • Rack Height 2U
- Includes: CD with software, Documentation CD, Installation guide, Rack Mounting brackets, Rack mounting hardware, Rack Mounting support rails, Removable support feet, Smart UPS signalling RS-232 cable, USB cable

BADGER PART NUMBER:

SMX2200MLV2U



SMX2200RMHV2U

SMARTSLOT™ ACCESSORY CARDS

AP9630 UPS Network Management Card

- Remote monitoring and control of an individual UPS by connecting it directly to the network

BADGER PART NUMBER:

AP9630



AP9630

AP9608 Call – UPS II

- Remote UPS Management Device
- Manage Via Modem

BADGER PART NUMBER:

AP9608

APC Back-UPS Series offers emergency battery back-up and surge suppression for your entire system with plenty of runtime to ride through momentary power outages or to shut down your system in the event of an extended outage.

BK350

For PCs and Small Desktop Systems

- 2 UPS AC Receptacles
- DB9 Serial Interface Port • 210 Watts
- Hot Swappable Batteries
- Transfer Time: 2-4 Milliseconds
- Capacity 350 V-Amps
- Response Time: <5 ns • 16 lbs.
- Alarms and LEDs: On Line, On Battery, UPS Overload, Replace Battery
- Automatic Unattended Shutdown
- One 12 V, 4 AH, Sealed, Lead-Acid, Maintenance-Free Battery

BADGER PART NUMBER:
BK350



BK350

BK500

- For Windows Workstations with Fax/Modem Line Protection
- One 12 V, 11 AH Sealed, Lead-Acid, Maintenance-Free Battery
- 2 UPS Receptacles and 1 Surge-Only Receptacle
- Phone Surge Protection (RJ11 jacks)
- DB9 Serial Interface Port
- Hot Swappable Batteries
- Transfer Time: 2-4 Milliseconds
- Capacity: 500 V-Amps • 330 Watts
- Response Time: <5 ns • 18 lbs
- Alarms and LEDs: On Line, On Battery, UPS Overload, Replace Battery
- Automatic Unattended Shutdown
- Includes PowerChute Plus Software

BADGER PART NUMBER:
BK500



BK500

BACK-UPS Pro/BACK-UPS RS: PERFORMANCE BATTERY BACK-UP AND SURGE PROTECTION

APC Back-UPS Pro Series offers high-performance battery back-up and high-performance surge suppression for Windows 95, 98, and XP. Designed for Telephone Systems and Workstations offering protection for Fax, Modem, Internet and Network Connections.

BR700G

Power Saving Back-UPS Pro 700

- Output Power Capacity 420 Watts / 700 VA • LCD • 3 Year Warranty
- Automatic Voltage Regulation (AVR) • Data Line Surge Protection
- 3 Battery Backup & Surge Protected Outlets • 3 Surge Only Outlets
- Auto Shutdown Software:
 - Saves files and shuts down system when battery is low
 - Records utility power and battery conditions
 - Allows for customized set up

BADGER PART NUMBER:
BR700G



BR700G

SMT Series

- Alpha/numeric LCD Display • High Efficiency Green Mode
- Network Grade Power Conditioning
- Advanced battery management • Communication Ports
- Switched Outlet Group • Battery disconnect

BADGER PART NUMBER:

- SMT750** 500W/750VA
- SMT1000** 670W/1000VA
- SMT1500** 980W/1500VA



SMT750

SMX Series

- Multi-function LCD status and control console
- High Efficiency Green Mode
- Network Grade Power Conditioning
- Advanced battery management
- Communication Ports • Switched Outlet Group
- Battery disconnect

BADGER PART NUMBER:

- SMX750** 500W/750VA
- SMX1000** 670W/1000VA
- SMX1500RM2U** 980W/1500VA
- SMX1500RM2UNC** 980W/1500VA



SMX750

APC Back-UPS Pro Series offers high-performance battery back-up and high-performance surge suppression for Windows 95, 98, and XP. Designed for Telephone Systems and Workstations offering protection for Fax, Modem, Internet and Network Connections.

BE750G

- Output Power Capacity 450 W / 750 VA
- 10 Surge Protected Outlets, 5 with Battery Backup
- Master/Controlled Outlets That Conserve Energy
- Included PowerChute® Safe System Shutdown Software
- Full Dataline Protection • 3 Year Warranty

BADGER PART NUMBER:
BE750G



BE750G

BE650G

- Output Power Capacity 390 W / 650 VA
- 8 Surge Protected Outlets, 4 with Battery Backup
- Included PowerChute Safe System Shutdown Software
- USB Connectivity • Full Dataline Protection
- 3 Year Warranty

BADGER PART NUMBER:
BE650G1



BE650G1

BE550G

The ES 550 utilizes an ultra-efficient design that consumes less power during normal operation than any other battery backup in its class.

- Output Power Capacity 330 W / 550 VA
- 8 Surge Protected Outlets, 4 with Battery Backup
- Included PowerChute Safe System Shutdown Software
- Full Dataline Protection
- 3 Year Warranty

BADGER PART NUMBER:
BE550G



BE550G

BE450G

The ES 450 utilizes an ultra-efficient design that consumes less power during normal operation than any other battery backup in its class.

- Output Power Capacity 257 W / 450 VA
- 8 Surge Protected Outlets, 4 with Battery Backup
- Included PowerChute Safe System Shutdown Software
- Full Dataline Protection
- 3 Year Warranty

BADGER PART NUMBER:
BE450G



BE450G

BE350G

The ES 350 utilizes an ultra-efficient design that consumes less power during normal operation than any other battery backup in its class.

- Output Power Capacity 200 W / 350 VA
- 6 Surge Protected Outlets, 3 with Battery Backup
- Full Dataline Protection
- 3 Year Warranty

BADGER PART NUMBER:
BE350G



BE350G

P7GB

Unlike traditional surge protectors, APC's Power-Saving SurgeArrest reduces energy consumption by smartly managing power to electronics while still protecting them from harmful surges and spikes. It helps lower energy bills through the use of Master/Controlled outlets that automatically shut power off to unused peripherals like printers, scanners and speakers when the computer is not in use.

- 7 Outlets • 6 ft Extension Power Cord
- Phone Line Protection Jacks • UL1449's Toughest Performance Standard of "330V" • Lifetime Warranty and Equipment Protection Policy

BADGER PART NUMBER:
P7GB



P7GB

BACK-UPS Pro 500

The Back-UPS Pro 500 provides abundant battery backup power and surge protection for your home networking equipment, specifically designed to keep you connected to the internet during power outages. Unique benefits include user configurable outlets, remote network management via a web browser, and a lithium-ion battery that provides twice the service life of a typical UPS. Providing maximum availability and peace of mind, the Back-UPS Pro 500 is the perfect unit to protect your home network, notebook computer, or business' productivity from the constant threat of power problems and lost data.

BG500

- Output Capacity 500VA / 300 Watts
- 4 total outlets: 2 battery backup & surge / 2 battery optional & surge
- Smart Outlets That are Remotely Managed and individually configured to provide battery backup and/or surge protection
- Telephone dataline surge protection
- 3 Year Warranty

BADGER PART NUMBER:
BG500

APC Back-UPS Pro 500

Battery backup for home networking and home computer equipment

The Back-UPS Pro 500 provides abundant battery backup power and surge protection for your home networking equipment, specifically designed to keep you connected to the internet during power outages. Unique benefits include user configurable outlets, remote network management via a web browser, and a lithium-ion battery that provides twice the service life of a typical UPS. Providing maximum availability and peace of mind, the Back-UPS Pro 500 is the perfect unit to protect your home network, notebook computer, or business' productivity from the constant threat of power problems and lost data.



BG500

Product Features:

- 1. **Output Power Capacity** 300W / 500VA
- 2. **Smart Outlets** 2 Smart Outlets (2 battery backup & surge / 2 battery optional & surge)
- 3. **Telephone Dataline Surge Protection** 1 Telephone Dataline Surge Protection Jack
- 4. **Remote Network Management** Remote Network Management via a web browser
- 5. **Power-Saving SurgeArrest** Power-Saving SurgeArrest technology
- 6. **Surge Protection** Surge Protection (UL1449's Toughest Performance Standard of "330V")
- 7. **Full Dataline Protection** Full Dataline Protection
- 8. **3 Year Warranty** 3 Year Warranty

UPS SIZING: TYPICAL RUNTIME CHART FOR AVAYA SYSTEMS

PHONE SYSTEM	AMPS	VA	30 MIN.	1 HOUR	2 HOURS	4 HOURS
AVAYA IP OFFICE:						
406 V2	0.13	26.67	BR1000G	BR1300G	BR1500G	SMX750 + 1 SMX48RMBP2U
412	0.15	29.17	BR1000G	BR1300G	BR1500G	SMX750 + 1 SMX48RMBP2U
SMALL OFFICE EDITION	0.13	26.67	BR1000G	BR1300G	BR1500G	SMX750 + 1 SMX48RMBP2U
QUICK EDITION	TBA	TBA	BR1000G	BR1300G	BR1500G	SMX750 + 1 SMX48RMBP2U
AVAYA IP OFFICE using:						
IPO PHONE 8	0.10	20.00	BR1300G	BR1300G	SMX750	SMX750 + 1 SMX48RMBP2U
IPO PHONE 16	0.13	26.67	BR1300G	BR1300G	SMX750	SMX750 + 1 SMX48RMBP2U
IPO PHONE 30	0.25	50.00	BR1300G	BR1300G	SMX750	SMX750 + 1 SMX48RMBP2U
IPO DS 16	0.20	40.00	BR1300G	BR1300G	SMX750	SMX750 + 1 SMX48RMBP2U
IPO DS 30	0.85	170.67	BR1500G	SMX750	SMX750+1SMX48RMBP2U	SMX750 + 2 SMX48RMBP2U
IPO ANALOG 16	0.04	8.33	BR1300G	BR1300G	SMX750	SMX750 + 1 SMX48RMBP2U
IPO SO 8	0.20	40.00	BR1300G	BR1300G	SMX750	SMX750 + 1 SMX48RMBP2U
IPO WAN3 10/100	0.10	20.00	BR1300G	BR1300G	SMX750	SMX750 + 1 SMX48RMBP2U
AVAYA PARTNER ACS:						
ACS R7 (5x9)	0.30	59.17	BR1000G	BR1300G	BR1500G	SMX750 + 1 SMX48RMBP2U
ACS R6 (3x8)	0.38	76.42	BR1000G	BR1300G	BR1500G	SMX750 + 1 SMX48RMBP2U
ACS SOE (3x8)	0.38	76.42	BR1000G	BR1300G	BR1500G	SMX750 + 1 SMX48RMBP2U

All above backup times are approximate and should be used as a guideline only. Please call for recommended configurations.

UPS SIZING: TYPICAL RUNTIME CHART FOR PANASONIC SYSTEMS

PHONE SYSTEM	AMPS	VA	WATTS	30 MIN.	1 HOUR	2 HOURS	4 HOURS
Panasonic KX-T30810	0.4	48	48	BR1000G	BR1300G	BR1500G	SMX750
Panasonic KX-T61610	0.7	84	84	BR1000G	BR1300G	BR1500G	SMX750
Panasonic KX-T123211D	1.4	168	140	BR1000G	BR1300G	SMX750	SMX750+1 SMX48RMBP2U
Panasonic KX-TAW848		86	60	BR1000G	BR1300G	BR1500G	SMX750
Panasonic KX-TA624	1.4	144	100	BR1000G	BR1300G	SMX750	SMX750+1 SMX48RMBP2U
Panasonic KX-TDA50		86	60	BR1000G	BR1300G	SMX750	SMX750+1 SMX48RMBP2U
Panasonic KX-TDA100	5.1	223	156	BR1300G	BR1500G	SMX750	SMX750+1 SMX48RMBP2U
Panasonic KX-TDA200	5.1	421	295	SMX750	SMX750+1 SMX48RMBP2U	SMX750+1 SMX48RMBP2U	SMX750+2 SMX48RMBP2U
Panasonic KX-TDE100:							
PSU-S	1.4	240	144	SC620	SUA1000	SMX1000	
PSU-M	2.2	350	210	SUA1000	SMX1000	SMX1000+1 SMX48RMBP2U	
Panasonic KX-TDE200:							
PSU-M	2.5	400	240	SUA1000	SMX1000	SMX1000+1 SMX48RMBP2U	
PSU-L	5.1	817	490	SMX1000	SUA2200XL	SMX1000+1 SMX48RMBP2U	
Panasonic KX-TDA600	5.1	421	295	SMX750	SMX750+1 SMX48RMBP2U	SMX750+1 SMX48RMBP2U	SMX750+2 SMX48RMBP2U
Panasonic KX-TD308	2	240	140	BR1300G	BR1500G	SMX750	SMX750+1 SMX48RMBP2U
Panasonic KX-TD816	2	240	140	BR1300G	BR1500G	SMX750	SMX750+1 SMX48RMBP2U
Panasonic KX-TD1232	2	240	140	BR1300G	BR1500G	SMX750	SMX750+1 SMX48RMBP2U
Panasonic KX-TD1232x2	4	480	280	SMX750	SMX750+1 SMX48RMBP2U	SMX750+1 SMX48RMBP2U	SMX750+2 SMX48RMBP2U
Panasonic KX-TVA50	0.75	7	7 (9V)	BR1000G	BR1300G	BR1500G	SMX750
Panasonic KX-TVA200	1.38	57	57 (40V)	BR1000G	BR1300G	BR1500G	SMX750
Panasonic KX-NCV200	1.38	57	57 (40V)	BR1000G	BR1300G	BR1500G	SMX750
Panasonic KX-TVS75	0.4	48	20	BR1000G	BR1300G	BR1500G	SMX750
Panasonic KX-TVS100	0.4	48	38	BR1000G	BR1300G	BR1500G	SMX750
Panasonic KX-TVS200	0.7	84	57	BR1000G	BR1300G	BR1500G	SMX750+1 SMX48RMBP2U
Panasonic KX-T336100:							
1 Cabinet	672 W			SMX1000+1 SMX48RMBP2U	SMX1000+1 SMX48RMBP2U	SMX1000+2 SMX48RMBP2U	SMX1000+3 SMX48RMBP2U
2 Cabinet	1288 W			SU2200XLNET+1 SU48XLBP	SU2200XLNET+1 SU48XLBP	SU2200XLNET+2 SU48XLBP	SU2200XLNET+4 SU48XLBP

UPS SIZING: TYPICAL RUNTIME CHART FOR PANASONIC VOICE MAIL

PHONE SYSTEM	AMPS	VA	30 MIN.	1 HOUR	2 HOURS	4 HOURS
Panasonic KX-TVS200						
with KX-TD1232	2.7	324	BR1500G	SMX750+1 SMX48RMBP2U	SMX750+2 SMX48RMBP2U	SMX750+3 SMX48RMBP2U
with KX-TD1232x2	4.7	564	SMX750+1 SMX48RMBP2U	SMX750+1 SMX48RMBP2U	SMX750+2 SMX48RMBP2U	SMX750+3 SMX48RMBP2U
Panasonic KX-TVS100 or KX-TVS75						
with KX-TD816/TD1232	2.4	288	BR1300G	BR1500G	SMX750+1 SMX48RMBP2U	SMX750+1 SMX48RMBP2U
with KX-T123211D	1.8	216	BR1300G	BR1500G	SMX750+1 SMX48RMBP2U	SMX750+1 SMX48RMBP2U
Panasonic KX-TVA200						
with KX-TD1232	3.4	247	BR1300G	BR1500G	SMX750+1 SMX48RMBP2U	SMX750+1 SMX48RMBP2U
with KX-TD1232x2	5.4	537	SMX750+1 SMX48RMBP2U	SMX750+1 SMX48RMBP2U	SMX750+2 SMX48RMBP2U	SMX750+3 SMX48RMBP2U
with KX-TDA100	6.5	280	SMX750+1 SMX48RMBP2U	SMX750+1 SMX48RMBP2U	SMX750+2 SMX48RMBP2U	SMX750+3 SMX48RMBP2U
with KX-TDA200	6.5	478	SMX750+1 SMX48RMBP2U	SMX750+1 SMX48RMBP2U	SMX750+2 SMX48RMBP2U	SMX750+3 SMX48RMBP2U
with KX-TDA600	6.5	409	SMX750+1 SMX48RMBP2U	SMX750+1 SMX48RMBP2U	SMX750+2 SMX48RMBP2U	SMX750+3 SMX48RMBP2U

View our searchable electronic catalog at: www.badgercommunications.com

APC Smart-UPS RT is a family of high-density, performance UPSs for voice data networks, medical labs and light industrial applications. Featuring double-conversion, on-line topology, the Smart-UPS RT protects your data by supplying reliable network-grade power.

SUM1500RMXL2U

Smart-UPS XL 120 V Output/120 V Input

- 1500 VA/1425 W • Input 120 V/Output 120 V
- Interface Port DB-9 RS-232 • Smart Slot • USB
- Extended Runtime Model
- Rack Height 2 U
- Includes: CD with Software, Documentation CD, Install Guide, Rack-Mounting Support Rails, Smart UPS Signaling RS-232 Cable, USB Cable, and User Manual

BADGER PART NUMBER:
SUM1500RMXL2U



SUM1500RMXL2U

SUM3000RMXL2U

Smart-UPS XL 120V Output/120V Input

- 3000 VA/2850 W • Input 120 V/Output 120 V
- Interface Port DB-9 RS-232 • Smart Slot • USB
- Extended Runtime Model
- Rack Height 2 U
- Includes: CD with Software, Documentation CD, Install Guide, Rack-Mounting Support Rails, Smart UPS Signaling RS-232 Cable, USB Cable, and User Manual

BADGER PART NUMBER:
SUM3000RMXL2U



SUM3000RMXL2U

SURTA1500RMXL2U

Smart-UPS RT 1500VA Rack Tower 120V

- 1500 VA/1050 W • Input 120 V/Output 120 V
- Interface Port DB-9 RS-232 • Smart Slot • USB
- Extended Runtime Model • Rack Height 2 U
- Includes: CD with Software, Documentation CD, Install Guide, Rack-Mounting Support Rails, Smart UPS Signaling RS-232 Cable, USB Cable, User Manual and 19" Rack-Mount Kit

BADGER PART NUMBER:
SURTA1500RMXL2U



SURTA1500RMXL2U

SURTA2200RMXL2U

Smart-UPS RT 2000VA Rack Tower 120V

- 2000 VA/1400 W • Input 120 V/Output 120 V
- Interface Port DB-9 RS-232 • Smart Slot • USB
- Extended Runtime Model • Rack Height 2 U
- Includes: CD with Software, Documentation CD, Install Guide, Rack-Mounting Support Rails, Smart UPS Signaling RS-232 Cable, USB Cable, User Manual

BADGER PART NUMBER:
SURTA2200RMXL2U



SURTA2200RMXL2U

SURTD3000RMXL3U

Smart-UPS RT 3000VA RM 208V

- 3000 VA/2100 W • Input 208 V/Output 208 V • Rack Height 3 U
- Interface Port Smart Slot • Extended Runtime Model
- Includes: CD with Software, Rack Mounting Support Rails, Smart UPS Signalling RS-232 Cable, User Manual

BADGER PART NUMBER:
SURTD3000RMXL3U



SURTD3000RMXL3U

SURTD5000RMXL3U

Smart-UPS RT 5000VA RM 208V

- APC Smart-UPS On-Line • 500 Watts / 5000 VA
- Input 208V / Output 208V • Interface Port RJ-45 10/100 Base-T
- SmartSlot • Extended runtime model • Rack Height 3 U
- Includes: CD with software, Rack Mounting support rails, Smart UPS signalling RS-232 cable, User Manual

BADGER PART NUMBER:
SURTD5000RMXL3U



SURTD5000RMXL3U

APC Smart-UPS RT is a family of high-density, performance UPSs for voice data networks, medical labs and light industrial applications. Featuring double-conversion, on-line topology, the Smart-UPS RT protects your data by supplying reliable network-grade power.

SURTA3000RMXL3U

Smart-UPS RT 3000VA Rack Tower 120V

- 3000 VA/2100 W • Input 120 V/Output 120 V
- Interface Port DB-9 RS-232 • Smart Slot
- Extended Runtime Model • Rack Height 3 U
- Includes: CD with Software, Rack Mounting Brackets, Rack Mounting Support Rails, Smart UPS Signalling RS-232 Cable, User Manual

BADGER PART NUMBER:
SURTA3000RMXL3U



SURTA3000RMXL3U

SURT8000RMXL6U

Smart-UPS RT 8000VA Rack Tower 208V

- 8000 VA/6400 W • Input 208 V/Output 208 V
- Interface Port DB-9 RS-232 • RJ-45 10/100 Base-T
- Smart Slot • Extended Runtime Model • Rack Height 6 U
- Includes: CD with Software, Rack Mounting Support Rails, Service Manual, Smart UPS Signalling RS-232 Cable, User Manual, Web/SNMP Management Card

BADGER PART NUMBER:
SURT8000RMXL6U



SURT8000RMXL6U

SURTD3KRMXL3U-T5F

Smart-UPS RT 3000VA RM 208V w/ 208V to 120V 2U Step-Down Transformer

- 3000 VA/2100 W • Input 208 V/Output 120 V, 208 V
- Interface Port Smart Slot • Extended Runtime Model
- Rack Height 5 U
- Includes: CD with Software, Rack Mounting Support Rails, Smart UPS Signalling RS-232 Cable, User Manual

BADGER PART NUMBER:
SURTD3KRMXL3U-T5F



SURTD3KRMXL3U-T5F

SURT6KRMXL3U-TF5

Smart-UPS RT 6KVA RM 208V w/ 208V to 120V 2U Step-Down Transformer

- 6000 VA/4200 W • Input 208 V/Output 120 V, 208 V
- Extended Runtime Model • Rack Height 5 U
- Includes: CD with Software, Rack Mounting Support Rails, Smart UPS Signalling RS-232 Cable, User Manual, Web/SNMP Management Card

BADGER PART NUMBER:
SURT6KRMXL3U-TF5



SURT6KRMXL3U-TF5

SURT8KRMXL6U-TF5

Smart-UPS RT 8KVA RM 208V w/ 208V to 120V 2U Step-Down Transformer

- 8000 VA/6400 W • Input 208 V/Output 120 V, 208 V
- Interface Port DB-9 RS-232 • RJ-45 10/100 Base-T
- Smart-Slot • Extended Runtime Model • Rack Height 8 U
- Includes: CD with Software, Rack Mounting Support Rails, Service Manual, Smart UPS Signalling RS-232 Cable, User Manual, Web/SNMP Management Card

BADGER PART NUMBER:
SURT8KRMXL6U-TF5



SURT8KRMXL6U-TF5

SRT5KXLT

APC Smart-UPS SRT 5000VA 208V

- 4250 Watts / 5000 VA • Input 208V/Output 208V
- Interface Port Contact Closure • RJ-45 10/100 Base-T
- RJ-45 Serial • Smart-Slot • USB • Extended runtime model
- Includes: CD with software, Documentation CD, Installation guide, Removable support feet, Temperature Probe, USB cable, Warranty card

BADGER PART NUMBER:
SRT5KXLT



SRT6KXLT

APC Smart-UPS SRT 6000VA 208V

- APC Smart-UPS On-Line • 6000 Watts /6000 VA
- Input 208V /Output 208V • Extended runtime model
- Includes: CD with software, Documentation CD, Installation guide, Removable support feet, Temperature Probe, USB cable, User Manual, Warranty card

BADGER PART NUMBER:
SRT6KXLT



SRT8KXLT

APC Smart-UPS SRT 8000VA 208V

- APC Smart-UPS On-Line • 8000 Watts /8000 VA
- Input 208V /Output 208V • Interface Port Contact Closure • RJ-45 10/100 Base-T • RJ-45 Serial • Smart-Slot
- USB • Extended runtime model
- Includes: CD with software, Documentation CD, Installation guide, Temperature Probe, USB cable, Warranty card

BADGER PART NUMBER:
SRT8KXLT



SRT10KXLT

APC Smart-UPS SRT 10000VA 208V

- APC Smart-UPS On-Line • 10 kW /10 kVA • Input 208V /Output 208V • Interface Port Contact Closure • RJ-45 10/100 Base-T • RJ-45 Serial, Smart-Slot, USB, Extended runtime model
- Includes: CD with software, Documentation CD, Installation guide, Temperature Probe, USB cable, Warranty card

BADGER PART NUMBER:
SRT10KXLT



SRT5KRMXLT

APC Smart-UPS SRT 5000VA RM 208V

- APC Smart-UPS On-Line • 4250 Watts /5000 VA
- Input 208V /Output 208V • Interface Port Contact Closure • RJ-45 10/100 Base-T • RJ-45 Serial • Smart-Slot
- USB • Extended runtime model • Rack Height 3 U
- Includes: Documentation CD, Rack Mounting brackets, Rack mounting hardware, Rack Mounting support rails, USB cable, User Manual, Warranty card

BADGER PART NUMBER:
SRT5KRMXLT



SRT6KRMXLT

APC Smart-UPS SRT 6000VA RM 208V

- APC Smart-UPS On-Line • 6000 Watts /6000 VA
- Input 208V /Output 208V • Interface Port Contact Closure • RJ-45 10/100 Base-T • RJ-45 Serial • Smart-Slot
- USB • Extended runtime model • Rack Height 4 U
- Includes: CD with software, Documentation CD, Installation guide, Rack Mounting brackets, Rack mounting hardware, Rack Mounting support rails, Temperature Probe, USB cable, Warranty card

BADGER PART NUMBER:
SRT6KRMXLT



SRT8KRMXLT

APC Smart-UPS SRT 8000VA RM 208V

- APC Smart-UPS On-Line • 8000 Watts /8000 VA
- Input 208V /Output 208V • Interface Port Contact Closure • RJ-45 10/100 Base-T • RJ-45 Serial • Smart-Slot
- USB • Extended runtime model • Rack Height 6 U
- Includes: CD with software, Documentation CD, Installation guide, Rack Mounting brackets, Rack mounting hardware, Rack Mounting support rails, Temperature Probe, USB cable, Warranty card

BADGER PART NUMBER:
SRT8KRMXLT



SRT10KRMXLT

APC Smart-UPS SRT 10000VA RM 208V

- APC Smart-UPS On-Line • 10 kW /10 kVA • Input 208V /Output 208V • Interface Port Contact Closure • RJ-45 10/100 Base-T • RJ-45 Serial • Smart-Slot • USB • Extended runtime model • Rack Height 6 U
- Includes: CD with software, Documentation CD, Installation guide, Rack Mounting brackets, Rack mounting hardware, Rack Mounting support rails, Temperature Probe, USB cable, Warranty card

BADGER PART NUMBER:
SRT10KRMXLT



Engineered to deliver the highest level of business continuity possible, the Symmetra LX uses a modular, redundant architecture that can scale power and run time as demand increases or when higher levels of availability are required.

Advancements in the next generation design greatly decrease foot-print U-space needed in an equipment rack, increase speed and ease of deployment and reduce repair time. With built-in network manageability and a comprehensive portfolio available from 4-16k VA N+1, the on-line Symmetra LX is the choice to protect high-performance IT and telecom equipment in computer rooms and small data centers.

Features:

- Modular Design
 - Configurable for N+1 Internal Redundancy
 - Hot-swappable Intelligence Modules
- Fast service ability and reduced maintenance requirements via self-diagnosing modules
Provides high-availability through redundancy allowing configuration with power module
Ensures clean, uninterrupted power to protected equipment

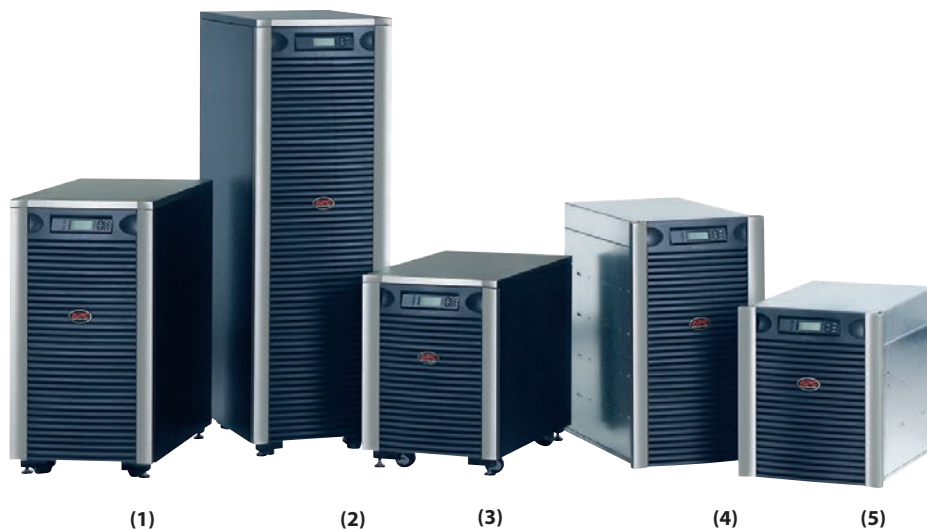
Protection:

- Power Conditioning
 - Frequency and Voltage Regulation
 - Input Power Factor Correction
 - Generator-Compatible
 - Cold-start-Capable
 - Resettable Circuit Breakers
- Protects connected loads from surges, spikes and other power disturbances
Preserves battery life and maximizes runtime through correction of frequency and voltage
Minimizes installation cost by enabling use of smaller generators and cabling
Ensures clean, uninterrupted power to loads in the event of an extended outage
Provides temporary battery power when the utility power is out
Enables quick recovery from UPS overload events

208/240 V input, 208/240 V and 120 V Output Symmetra Models

BADGER PART NUMBER:

- SYA4K8RMP** APC Symmetra LX 4k VA Scalable to 8k VA N+1 Rack-Mount
- SYA8K16RMP** APC Symmetra LX 8k VA Scalable to 16k VA N+1 Rack-Mount
- SYA8K8RMP** APC Symmetra LX 8k VA Scalable to 8k VA N+1 Rack-Mount
- SYA12K16RMP** APC Symmetra LX 12k VA Scalable to 16k VA N+1 Rack-Mount
- SYA16K16RMP** APC Symmetra LX 16k VA Scalable to 16k VA N+1 Rack-Mount
- SYA4K8P** APC Symmetra LX 4k VA Scalable to 8k VA N+1 Tower
- SYA8K16PXR** APC Symmetra LX 8k VA Scalable to 16k VA N+1 Extended Run Tower
- SYA8K8P** APC Symmetra LX 8k VA Scalable to 8k VA N+1 Tower
- SYA12K16P** APC Symmetra LX 12k VA Scalable to 16k VA N+1 Tower
- SYA12K16PXR** APC Symmetra LX 12k VA Scalable to 16k VA N+1 Extended Run Tower
- SYA16K16P** APC Symmetra LX 16k VA Scalable to 16k VA N+1 Tower
- SYA16K16PXR** APC Symmetra LX 16k VA Scalable to 16k VA N+1 Extended Run Tower



- (1) Symmetra LX 8 to 16k VA N+1 Tower
- (2) Symmetra LX 8 to 16k VA N+1 Extended Run Tower
- (3) Symmetra LX 4 to 8k VA N+1 Tower (SYA8K16PXR;SYA12K16P;SYA16K16P) (SYA8K16PXR; SYA12K16PXR; SYA16K16PXR) (SYA4K8P; SYA8K8P)
- (4) Symmetra LX8 to 16k VA N+1 Rack-Mount
- (5) Symmetra LX 4 to 8k VA N+1 Rack-Mount (SYA8K16RMP; SYA12K16RMP; SYA16K16RMP) (SYA4K8RMP; SYA8K8RMP)

Contact Your 4SVV Sales Representative for Pricing and Configuration on All Symmetra LX Products

View our searchable electronic catalog at: www.badgercommunications.com

SURGEGATE MODULAR POWER PROTECTORS

CAT6-75

- UL-Listed for Primary (497) and Isolated Loop (497B)
- Solid State provides fastest response time (1-5 nanoseconds)
- Exceeds TIA/EIA Standards 568 and 758 for CAT6 performance
- 75-Volt clamping levels
- 110 punchdown termination
- Lifetime product warranty

BADGER PART NUMBER:

CAT6-75



CAT6-75

CAT6-75 RJ45

- UL listed for Primary (497) and Isolated Loop (497B) applications
- Solid-state protection for fastest response
- Exceeds TIA/EIA Standards 568 and 758 for CAT6 performance
- Protects high-performance 4-pair CAT6 Outside Plant Cables as well as CAT 6 UTP cables (75V)
- 75-Volt clamping levels
- RJ45 in and out termination
- Lifetime product warranty

BADGER PART NUMBER:

CAT6-75 RJ45



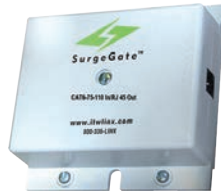
CAT6-75 RJ45

CAT6-75 110/RJ45

- UL listed for Primary (497) and Isolated Loop (497B) applications
- Solid-state protection for fastest response
- Exceeds TIA/EIA Standards 568 and 758 for CAT6 performance
- Expandable System Protection
- 75-Volt clamping levels
- 110 punchdown in, RJ45 out termination
- Lifetime product warranty

BADGER PART NUMBER:

CAT6-75 110/RJ45



CAT6-75 110/RJ45

CAT6-LAN

- UL listed for Primary (497) and Isolated Loop (497B) applications
- Solid-state protection for fastest response
- Exceeds TIA/EIA Standards 568 and 758 for CAT 5e performance
- Expandable System Protection
- 16-Volt clamping levels
- 110 punchdown termination
- Lifetime product warranty

BADGER PART NUMBER:

CAT6-LAN



CAT6-LAN

CAT6-LAN-RJ45

- UL listed for Primary (497) and Isolated Loop (497B) applications
- Solid-state protection for fastest response
- Exceeds TIA/EIA Standards 568 and 758 for CAT6 performance
- Expandable System Protection
- 16-Volt clamping levels
- RJ45 in and out termination
- Lifetime product warranty

BADGER PART NUMBER:

CAT6-LAN-RJ45



CAT6-LAN-RJ45

CAT6-235

- UL listed for Primary (497) and Isolated Loop (497B) applications
- Solid-state protection for fastest response
- Exceeds TIA/EIA Standards 568 and 758 for CAT 5e performance
- Expandable System Protection
- 235-Volt clamping levels
- 110 punchdown termination
- Lifetime product warranty

BADGER PART NUMBER:

CAT6-235



CAT6-235

CAT6-235 RJ45

- UL listed for Primary (497) and Isolated Loop (497B) applications
- Solid-state protection for fastest response
- Exceeds TIA/EIA Standards 568 and 758 for CAT6 performance
- Expandable System Protection
- 235-Volt clamping levels
- RJ45 in and out termination
- Lifetime product warranty

BADGER PART NUMBER:

CAT6-235-RJ45



CAT6-235 RJ45

CAT6A-LAN

- UL listed for Primary (497) and Isolated Loop (497B) applications
- Exceeds TIA-568-B.2-10 transmission performance criteria for connecting hardware
- Solid-state protection for fastest response
- For use in 10G BASE T network applications
- Expandable System Protection
- 16-Volt clamping levels
- 110 punchdown termination
- Lifetime product warranty

BADGER PART NUMBER:

CAT6A-LAN



CAT6A-LAN

CAT6-LAN-MM/CAT6-75-MM

- UL Listing pending
- Exceeds TIA/EIA Standards 568 and 758 for CAT 6 performance
- Solid-state protection provides the fastest response to transient voltages (1-5 nanoseconds) by quickly diverting damaging surges to ground
- Use between buildings in a campus environment as a building entrance protector or in hostile industrial applications as an isolated loop protector
- RJ45 input to RJ45 output
- Suggested Applications Include: Security cameras, PoE, Phone Systems, Ethernet, and VoIP
- Available in 16v and 75 v clamping voltage

BADGER PART NUMBER:

CAT6-LAN-MM
CAT6-75-MM

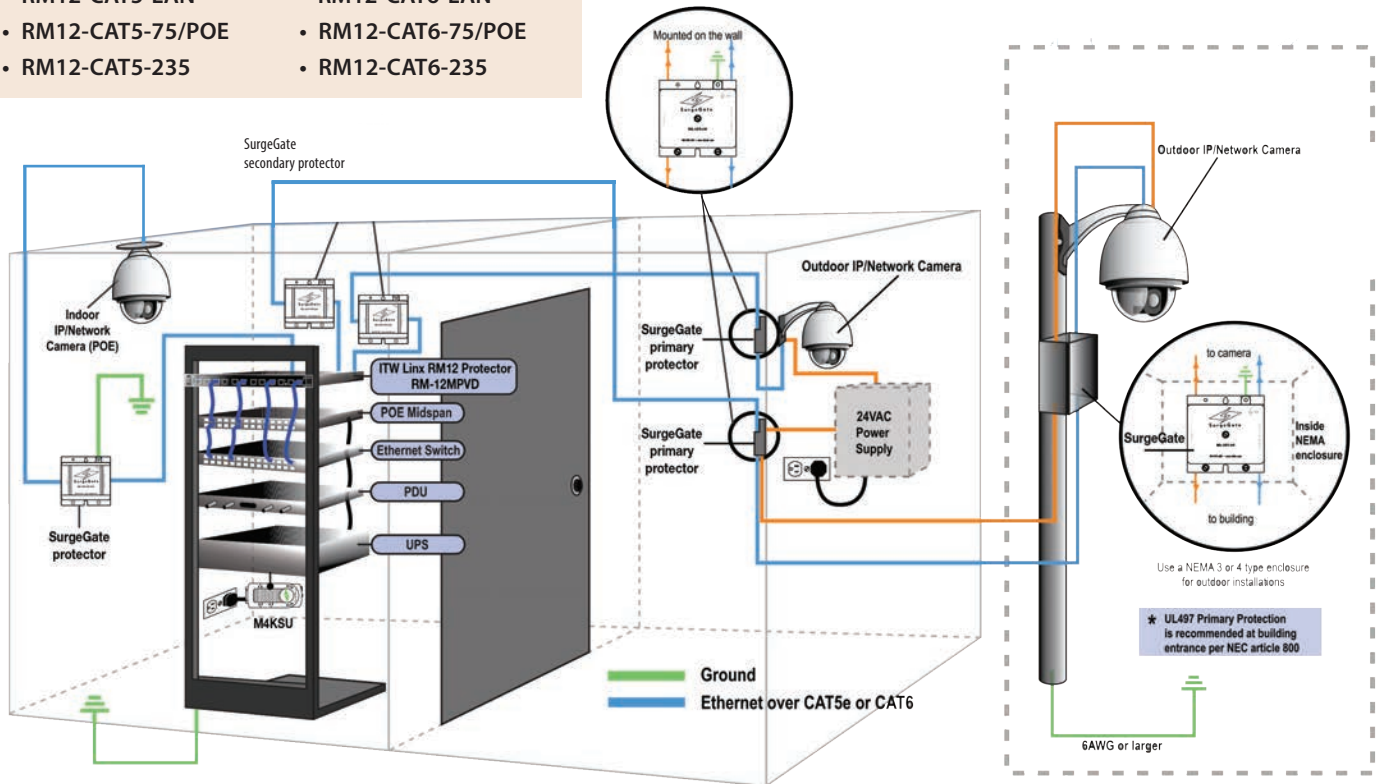


CAT6-75-MM

IP/NETWORK CAMERA SURGE PROTECTION

SurgeGate Protectors:

- RM-12MPVD (Housing)
- RM12-CAT5-LAN
- RM12-CAT5-75/POE
- RM12-CAT5-235
- RM-6MPVD
- RM12-CAT6-LAN
- RM12-CAT6-75/POE
- RM12-CAT6-235



RM-6MPVD

- UL listed for Primary (497) and Isolated Loop (497B) applications
- Exceeds TIA/EIA Standards 568 and 758 for CAT5e performance
- Solid-state protection provides the fastest response to transient voltages (1-5 nanoseconds) by quickly diverting damaging surges to ground
- Use between buildings in a campus environment as a building entrance protector or in hostile industrial applications as an isolated loop protector
- Up to 12 individual and replaceable port module
- RJ45 input to RJ45 output
- Single-height rack mountable chassis (1U)
- Signal Perfect for signal line protection

BADGER PART NUMBER:

RM-6MPVD



RM-6MPVD

IP/NETWORK CAMERA SURGE PROTECTION

RM-12MPVD

- UL listed for Primary (497) and Isolated Loop (497B) applications
- Exceeds TIA/EIA Standards 568 and 758 for CAT5e performance
- Solid-state protection provides the fastest response to transient voltages (1-5 nanoseconds) by quickly diverting damaging surges to ground
- Use between buildings in a campus environment as a building entrance protector or in hostile industrial applications as an isolated loop protector
- Up to 12 individual and replaceable port module
- RJ45 input to RJ45 output
- Single-height rack mountable chassis (1U)
- Signal Perfect for signal line protection

BADGER PART NUMBER:

RM-12MPVD



RM-12MPVD

AC PREMIUM POWER PROTECTION

SurgeGate M4KSU

- 4 protected, transformer-spaced, AC power outlets
- SurgeGate Plus™ Circuitry
- AC Master On/Off Switch
- Lifetime Product and Connected Equipment Warranty

BADGER PART NUMBER:

M4KSU



M4KSU

SurgeGate M4L-POE

- Protection for one PoE line RJ-45
- SurgeGate Plus™ Circuitry
- 4 protected, transformer-spaced, AC power outlets
- SignalPerfect™ Circuitry
- AC Master On/Off Switch
- Lifetime Product and Connected Equipment Warranty

BADGER PART NUMBER:

M4L-POE



M4L-POE

GRM0600

- Eight protected AC power outlets
- Protect or Disconnect Circuitry
- Front panel circuit breaker
- Power indication light
- Single-height rack mountable chassis (1U)
- 10-foot power cord
- Lifetime Product Warranty

BADGER PART NUMBER:

GRM0600



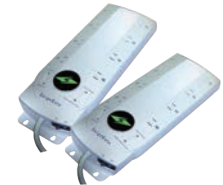
GRM0600

M8KSU

- AC protection for telecom systems
- Eight switched AC power outlets
- Diagnostic indicator lights (four)
- Expandable protection using SurgeGate Modules
- SurgeGate™ Plus Circuitry
- EMI / RFI noise filtration
- Eight foot power cord with right angle plug

BADGER PART NUMBER:

M8KSU



M8KSU

M8COM

- AC protection for telecom systems
- Eight switched AC power outlets
- Telephone protection for 4 voice or DSL line
- T1 protection for one T1 or LL line
- LAN protection for one 10/100BASE-T Ethernet line

BADGER PART NUMBER:

M8COM

- Diagnostic indicator lights (four)
- EMI/RFI noise filtration
- SurgeGate™ Plus Circuitry
- Expandable protection using SurgeGate Modules
- Eight foot power cord with right angle plug



M8COM

MULTILINE CAT5 (B.E.P.)

MultiLine CAT5

Building Entry Surge Protection

ML25-CAT5 - 235 (235 V Clamp), ML25-CAT5 - LAN (16 V Clamp)

- 25 pr. CAT5E-rated B.E.P. • 110 connectors I/O • Wall Mount
- LAN/VoIP Campus application • UL Listed Primary and Isolated Loop

BADGER PART NUMBER:

ML25-CAT5 - 235 ML25-CAT5 - 235 (235 V Clamp)

ML25-CAT5 - LAN ML25-CAT5 - LAN (16 V Clamp)



ML25-CAT5-LAN

UltraLinX (Custom Protection for Large PBX/KSU Systems over 50 Lines)

- Pair-by-Pair customized protection for large PBX and KSU Systems with 66 Blocks
- UL Listed for Primary Applications (497) • UL Listed for Secondary Applications (497A)
- Solid-State protection provides the fastest response time (1-5 ns)
- Single-Pair Protection for Scalability
- Sneak Current Protection
- LEDs to indicate Protection OK and Ground OK (for 66 Block only)



ULTRALINX 66

UltraLinX 66 Block Protection

BADGER PART NUMBER:

27 V Clamp	39 V Clamp	75V Clamp	235 V Clamp	Includes:
UP3P-27	UP3P-39	UP3P-75	UP3P-235	160 mA Self-Reset PTC
UP3B-27	UP3B-39	UP3B-75	UP3B-235	350 mA Fuse

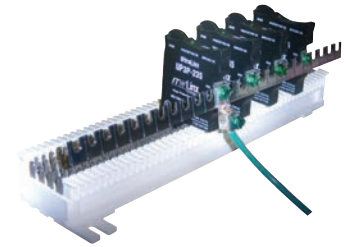
Grounding Accessory

Ground Bar and Screw Lug

- The 66 Black ground bus bar is required for use with all UltraLinX protectors to provide the necessary ground connection from each protected pair to the Single Point Equipment Ground
- One MGB/SGL-1 is required per installation of 1 to 25 protected pairs
- Each bar is scored for breaking into smaller pieces for use with less than 25 pairs
- A screw ground lug is also provided for connecting a single point ground

BADGER PART NUMBER:

MGBSGL-1



MGBSGL-1

POWER PROTECTION / UPS

MODULAR PROTECTION - TELCO CIRCUIT PROTECTION



Features:

- Auto-Resetting Technology—PTC resistors open when a surge occurs, protecting your equipment, but unlike fuses, the PTCs close again once the surge passes. Less downtime, and less service calls.
- Expandable System Protection—SurgeGate Series Base Units and Modules can be attached to expand system protection as your system grows.
- Lifetime Product Warranty
- \$50,000 Connected Equipment Warranty—This ITW Linx product will protect your equipment or we will repair or replace it up to \$50,000!

BADGER PART NUMBER:

MCO4

Description:

Protects up to 4-wires (2-pairs) using RJ-11/45 connectors (2 In/2 Out, Pins 3 & 6 and 4 & 5 protected)

MCO4X4

Protects up to 4-wires (2-pairs) using RJ-11/45 connectors, one line protected per jack (pins 4, 5)

MCO25

Protects 25-pairs using RJ-21X (Amphenol) connectors (pins 1–50, Male In / Female Out). Height: 5.87"

MCO4110

Protects up to 8-wires (4-pairs) using 110 punchdown block on the input and 110 punchdown block or four RJ-11 or two RJ-45 on the Output. Width: 5.87"

MCO8110

Protects up to 16-wires (8-pairs) using 110 punchdown block on the Input and 110 punchdown block on the Output. Width: 5.87"

MDS25

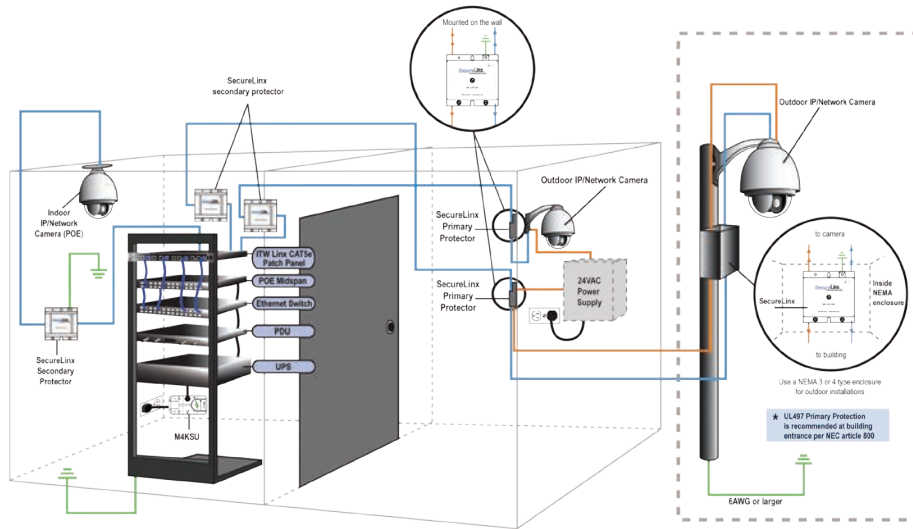
Protects up to 25 2-wire or up to 12 4-wire digital stations lines using RJ-21X (Amphenol) connectors (pins 1–50, Male In / Female Out). Height: 5.87" Clamping Level 110V (T-G, R-G, T-R)

MLLT1

Protects up one T1 or ISDN line per port using RJ-48C/48S connectors. T1/LL—2-pairs (pins 1, 2 & 4, 5); ISDN—BRI/PRI compatible. Clamping Level: 70V; Wires Protected: 4-wires, 2-pairs per jack (pins 1, 2 & 4, 5)

AC SURGE^{GATE}™ BUBBLE OF PROTECTION

Surges can get into your system from any metallic pathway (wire) and from any direction. AC power lines, analog (voice) lines, digital lines, data lines and even grounding wires can carry a surge into your system and damage or destroy key components. Make sure all pathways including AC, digital, analog and data lines connected to your system pass through the appropriate SurgeGate unit. This establishes a common ground reference for the entire system per IEEE recommendations. Failure to protect all lines/wires will weaken the protection and void the connected equipment protection policy. Please see policy documentation terms and conditions.



- If there are any wires that run outside the building or between buildings, they must have primary protectors at the building entrance, per NEC or application code, and secondary SurgeGate protectors at the piece of equipment (Remote Building).
- Signal or control lines from AC-powered operator-consoles or station sets must pass through additional PowerMAX modules if the console is not plugged into the SurgeGate 4 KSU protector installed at the KSU or PBX.
- Peripheral devices (call accounting printers or terminals, voicemail PCs, faxes, dial-up modems) connected to your KSU/PBX with a data/voice connection must establish a common ground with the protector at the KSU/PBX. This is done either by plugging that peripheral device's power into the SurgeGate AC protector if possible, or connecting the signal line going to that device from the KSU/PBX through the appropriate SurgeGate module.
- Outside paging horns, bell ringers or other attachments must pass through a SurgeGate SCL/8 module or other appropriate SurgeGate protector at the KSU PBX.

	4/8 outlet	2 outlet
Model Number	M4KSU/M8KSU/M8COM	M2T
Agency Approval	UL 1363, 1449	UL 1363, 1449
LED Indicators	4	2
Grounding Requirements	Uses Electrical AC Ground	Uses Electrical AC Ground
Product Warranty	Lifetime	Lifetime
Connected Equipment Warranty	Up to \$50,000	
Width / Height / Depth / Weight		3.5" / 5.5" / 2" / 0.74 lbs

AC POWER PROTECTION:		
Thermal Fusing	Yes	Yes
Catastrophic Surge Circuit	Yes	Yes
Overvoltage Voltage Shutoff	147V ±8V	
Undervoltage Voltage Shutoff	87V ±8V	
Single Pulse Energy Dissipation	1650 Joules	1350 Joules
Peak Impulse Current	52,000 A	52,000 A
EMI/RFI Noise Filtration	50db (99.7%)	50db (99.97%)
Line Voltage	120V (50/60Hz)	120V (50/60Hz)
Initial Clamping Level	200V Peak, 141 Rms	200V Peak, 141 Rms
UL 1449 Rating	330V	400V
Protection Modes	L-N, L-G, N-G	L-N, L-G, N-G
Maximum Current Rating	15A (1800W)	15A (1800W)
Response Time	1-5 Nanoseconds	1-5 Nanoseconds
Number of Outlets		2

SIGNAL LINE SURGE PROTECTION:		
TELCO CIRCUIT PROTECTION (if included)		
Signal Perfect Circuitry	Yes	Yes
Fuseless/Auto-Resettable	Yes	Yes
Clamping Level	260V	260V
Response Time	1–5 Nanoseconds	1–5 Nanoseconds
Capacitance	<50pF	<20pF
Suppression Modes	Metallic & Longitudinal	Metallic & Longitudinal
Wires Protected	2-wire, 1-pair (pins 3, 4)	2-wire, 1-pair
Termination Type	RJ-11	RJ-11/45

SIGNAL LINE SURGE PROTECTION (Telco & T1/LL)		
Signal Perfect Circuitry/Fuseless	Yes	
Clamping Level (TELCO)/(T1LL)	260V/70V	
Response Time	1–5 Nanoseconds	
Capacitance (TELCO)/(T1LL)	<50pF	
Suppression Modes	Metallic & Longitudinal	
Wires Protected (TELCO)	1 pair per jack, total 5 Telco jack (pins 4, 5)	
(T1/LL)	Pins 1, 2, 4, 5	
Termination Type (TELCO)	RJ-11/45	
(T1/LL)	RJ-45	

LAN CIRCUIT PROTECTION (if included)		
Signal Perfect Circuitry	Yes	
Fuseless/Auto-Resettable	Yes	
Performance Rating	Category 5	
Clamping Level	7V	
Response Time	1–5 Nanoseconds	
Wires Protected	8-wires (pins 1–8)	
Termination Type	RJ-45	



2-outlet
 Model M2T 2-outlet AC protector, with Protect or Disconnect circuitry and integrated cable management. Plus protection for one telephone or DSL line.



4-outlet
 Base unit Model M4KSU features four switched AC power outlets.



8-outlet
 Base unit Model M8KSU features eight AC power outlets.



8-outlet
 Model M8COM adds telephone protection for four voice or DSL lines; T1 protection for one T1 or LL line; LAN protection for one 10/100BASE-T Ethernet line.

ENTRUST: LINE-INTERACTIVE UPS/SURGE PROTECTOR



Entrust Series incorporates line interactive UPS technology with Automatic Voltage Regulator (AVR). They have 4 UPS outlets, 4 surge-only outlets, including 2 transformer-friendly spaced outlets, perfect for AC adapters. Entrust Series has fax/modem/network protection.

ETR550LCD

- 550VA/330W • Runtime: 12 min at Half / 3 Min at Full Load • Automatic Voltage Regulation (AVR) Independent Battery Bypass • USB Port - 4 UPS/4Surge Receptacles - 15 lbs.

BADGER PART NUMBER:

ETR550LCD

ETR700LCD

- 700VA/420W • Runtime: 12 min at Half / 3 Min at Full Load • Automatic Voltage Regulation (AVR) - Independent Battery Bypass • USB Port - 4 UPS/4Surge Receptacles - 17 lbs.

BADGER PART NUMBER:

ETR700LCD

ETR1000LCD

- 1000VA/600W • Runtime: 12 min at Half / 3 Min at Full Load • Automatic Voltage Regulation (AVR) - Independent Battery Bypass • USB Port - 4 UPS/4Surge Receptacles - 24 lbs.

BADGER PART NUMBER:

ETR1000LCD

ETR1500LCD

- 1500VA/900W • Runtime: 12 min at Half / 3 Min at Full Load • Automatic Voltage Regulation (AVR) - Independent Battery Bypass • USB Port - 4 UPS/4Surge Receptacles - 27 lbs.

BADGER PART NUMBER:

ETR1500LCD

Warranty on ETR's: Three-year warranty for electronics (2-year warranty for internal batteries).

For UPS sizing assistance, please go to: <http://www.sizeups.com/2544.html>



PRO-RT RACK TOWER SERIES

PRO1000RT

- 1000 VA/700W • 120 VAC line-interactive UPS with 6 battery backup/surge outlets
- 2 surge-only outlets • USB and RS232 communication ports
- SentryPlus power management software and diagnostic software, and fax/modem/network line surge protection • 3 year warranty, including batteries
- LCD Status display (shows power status, UPS and gateway status, tests runtime)

BADGER PART NUMBER:

PRO1000RT

PRO1500RT

- 1500 VA/1050W 120 VAC line-interactive UPS with 6 battery backup/surge outlets
- 2 surge-only outlets • USB and RS232 communication ports
- SentryPlus power management software and diagnostic software, and fax/modem/network line surge protection
- 3 year warranty, including batteries
- LCD Status display (shows power status, UPS and gateway status, tests runtime)

BADGER PART NUMBER:

PRO1500RT



Complete family of surge products to meet wide range of needs. All units are UL1449-certified, and all carry a limited lifetime warranty.

BADGER PART NUMBER:

- MMS110** Single-outlet space-saving wall-tap surge suppressor 540 joules
- MMS130C** 3-outlet space-saving wall-tap surge suppressor 1080 joules
- MMS130RC** 3-outlet space saving side-mounted wall-tap surge suppressor, Coax, 180 joules
- MMS362P** 6-outlet surge strip 2-pack 241 joules
- MMS370** 7-outlet surge strip with child safety sliders 1080 joules
- MMS370T** 7-outlet surge strip with RJ11 child safety sliders 1440 joules
- MMS660S** 6-outlet space saving slim wall-tap, 1080 joules
- MMS664S** 6-outlet slim surge strip, 1080 joules, 4-foot powercord
- MMS686SCT** 8-outlet slim surge strip, 3420 joules, 6-foot powercord
- MMS760RCT** 8-rotating outlet wall-tap surge suppressor with Coax, RJ11 and 2160 joules
- MMS780R** 8-outlet surge strip with 6-rotating outlets, 7 ft. cord 2160 joules
- MMS7100RT** 10-outlet surge strip with 5-rotating outlets, RJ11 2880 joules, 7 ft. power cord
- MMS7120RCT** 12-outlet surge strip with 8-rotating outlets, Coax, RJ11/RJ45, 4320 joules, 9 ft. power cord
- MMS570** Ruggedized 7-outlet surge strip with 9 ft. power cord, 1440 joules



MMS110

MMS130C

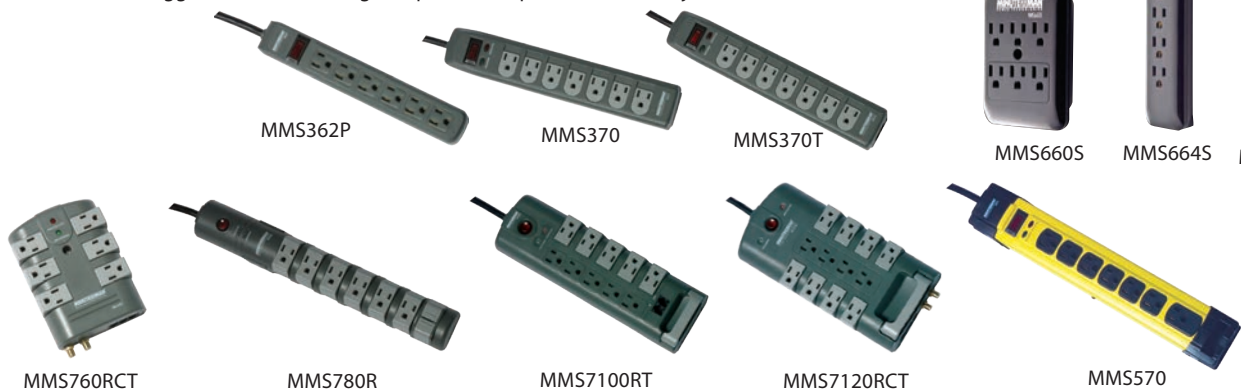
MMS130RC



MMS660S

MMS664S

MMS686SCT



MMS362P

MMS370

MMS370T

MMS760RCT

MMS780R

MMS7100RT

MMS7120RCT

MMS570

ENSpire: UPS & SURGE PROTECTION

Stand-by UPS technology with 3 UPS outlets, 3 surge-only outlets and 2 transformer-friendly spaced outlets, perfect for AC adapters. EnSpire Series offers Fax/modem/network protection with built-in USB communications port. EnSpire Series Includes Minuteman® SentryPlus™ software for power monitoring and control. Three-year warranty for electronics (2-year warranty for internal batteries).

EN350

- Wall-mount capability • 350 VA/200 W • Runtime: 11 Min at Half/3 Min at Full Load
- 3 UPS/3 Surge Receptacles • RJ45/RJ11 Network/Modem/Fax • USB Port • 8 lbs.

BADGER PART NUMBER:

- EN350** Stand-by UPS with 6 outlets
- BM0042** Replacement battery



EN350

EN550

- Wall-mount capability • 550 VA/300 W • Runtime: 11 Min at Half/3 Min at Full Load
- 3 UPS/3 Surge Receptacles • RJ45/RJ11 Network/Modem/Fax • USB Port • 8 lbs.

BADGER PART NUMBER:

- EN550** Stand-by UPS with 6 outlets
- BM0043** Replacement battery



EN550

EN750LCD

- Wall-mount capability • 750 VA/450 W • 4 UPS/4 Surge Receptacles
- RJ45 Network/Modem/Fax • USB Port • 9.4 lbs. • LCD Display

BADGER PART NUMBER:

- EN750**



EN750

EN900LCD

- Wall-mount capability • 900 VA/500 W • 4 UPS/4 Surge Receptacles
- RJ45 Network/Modem/Fax • USB Port • 9.7 lbs. • LCD Display

BADGER PART NUMBER:

- EN900**



EN900

View our searchable electronic catalog at: www.badgercommunications.com

CPE SERIES: TRUE ON-LINE TOWER

- Line-interactive • Rack/Tower/Wall-mount UPS • 3-year warranty • SentryPlus™ software included with all models

CPE1000

- 1000VA/700W 120 VAC true on-line • Double-conversion • Extended runtime UPS designed for critical, power-sensitive electronic environments

BADGER PART NUMBER:

- CPE1000** True On-Line Tower
CPEBP External battery pack for CPE1000

CPE2000

- 2000VA/1400W 120 VAC true on-line • Double-conversion • Extended runtime UPS designed for critical, power-sensitive electronic environments

BADGER PART NUMBER:

- CPE2000** True On-Line Tower
CPEBP External battery pack for CPE2000

CPE3000

- 3000VA/2100W 120 VAC true on-line • Double-conversion
- Extended runtime UPS designed for critical, power-sensitive electronic environments

BADGER PART NUMBER:

- CPE3000** True On-Line Tower
CPEBP3000 External battery pack for CPE3000



CPE Series

ENDEAVOR™: TRUE ON-LINE DOUBLE CONVERSION UPS SYSTEMS

- True on-line double-conversion UPS technology • True sine wave • 19-inch rack and tower mounting capability included
- 23-inch rack and wall mount optional • Units require only 2U rack height in rack environments • Load-shedding capability
- Unlimited runtime capability via external battery packs • Fax/modem/network protection • 10-ft. power cord
- Built-in USB and RS-232 communications ports • 3-year parts and labor warranty
- Includes Minuteman® SentryPlus™ software for power monitoring and control • SNMP-compatible via optional card

ED1000RM2U

- 1000 VA/800 W • Runtime: 13 Min at Half/4 Min at Full Load • RJ45/RJ11 Network/Modem/Fax
- USB and RS-232 ports • (6) NEMA 5-15R UPS receptacles • (2) 12 Vdc 8.5 Ah batteries • 39 lbs.

BADGER PART NUMBER:

- ED1000RM2U**
BP24RTEXL External battery pack for ED1000RM2U, 49 lbs.

ED1500RM2U

- 1500 VA/1200 W • Runtime: 13 Min at Half/4 Min at Full Load • RJ45/RJ11 Network/Modem/Fax
- USB and RS-232 ports • (6) NEMA 5-15R UPS receptacles • (4) 12 Vdc 7.2 Ah batteries • 55 lbs.

BADGER PART NUMBER:

- ED1500RM2U**
EDBP48XL External battery pack for ED1500RM2U and ED2000RM2U, 75 lbs.

ED2000RM2U

- 2000 VA/1600 W • Runtime: 13 Min at Half/4 Min at Full Load • RJ45/RJ11 Network/Modem/Fax
- USB and RS-232 ports • (6) NEMA 5-15/20R and (1) NEMA L5-20 UPS receptacles • (4) 12 Vdc 8.5 Ah batteries • 55 lbs.

BADGER PART NUMBER:

- ED2000RM2U**
BP48RTEXL External battery pack for ED1500RM2U and ED2000RM2U, 75 lbs.

ED3000RM2U

- 3000VA/2100W • Runtime: 15 Min at Half/5 Min at Full Load
- RJ45/RJ11 Network/Modem/Fax
- USB and RS-232 communication ports
- (6) NEMA 5-15/20R and (1) NEMA L5-30 UPS receptacles
- (6) 12Vdc 8.5Ah batteries • 127 lbs.

BADGER PART NUMBER:

- ED3000RM2U**
BP72RTEXL External battery pack for ED3000RM2U, 64 lbs.



Endeavor Tower



- Line interactive UPS technology with Automatic Voltage Regulator (AVR)
- True sine wave output
- LCD Status display shows input/output voltage, frequency, unit and battery status, est. runtime
- Standard-only and Extended runtime capable models available
- 19-inch rack and tower-mounting capability included
- 23-inch rack and wall mount optional
- Units require only 2U rack height in rack environments
- Unlimited runtime capability via external battery packs (XL Models)
- Built-in USB and RS-232 communications ports
- Includes Minuteman® SentryHD software for power monitoring and control
- SNMP-compatible via optional card
- Select models ENERGY STAR Certified for energy efficiency
- 10-ft. power cord
- 3-year parts, labor, and battery warranty



E750RT2U



E3000RT2U

E750RT2U Standard – E750RTXL2U Extended

- 750 VA/600 W • Runtime: 17 Min at Half/8 Min at Full Load • RJ45/RJ11 Network/Modem/Fax • USB and RS-232 Ports • (8) NEMA 5-15/20R UPS Receptacles • 42 lbs.

BADGER PART NUMBER:

E750RT2U or E750RTXL2U (for extended runtime)

E1500RT2U Standard – E1500RTXL2U Extended

- 1500 VA/1200 W • Runtime: 11 Min at Half/4 Min at Full Load • RJ45/RJ11 Network/Modem/Fax • USB and RS-232 Ports • (8) NEMA 5-15/20R UPS Receptacles • 45 lbs.

BADGER PART NUMBER:

E1500RT2U or E1500RTXL2U (for extended runtime)

E3000RT2U Standard – E3000RTXL2U Extended

- 3000 VA/2560 W • Runtime: 8 Min at Half/3 Min at Full Load • RJ45/RJ11 Network/Modem/Fax • USB and RS-232 Communication Ports • (7) NEMA 5-15/20R and (1) NEMA L5-30 UPS Receptacles • 78 lbs.

BADGER PART NUMBER:

E3000RT2U or E3000RTXL2U (for extended runtime)

E3000RTXLT2U – 208V

- 3000 VA/2560 W • 208V Input & Output • Runtime: 8 Min at Half/3 Min at Full Load • RJ45/RJ11 Network/Modem/Fax • USB and RS-232 Communication Ports • (7) NEMA 5-15/20R and (1) NEMA L5-30R UPS Receptacles • 78 lbs.

BADGER PART NUMBER:

E3000RTXLT2U

E1000RT2U Standard – E1000RTXL2U Extended

- 1000 VA/800 W • Runtime: 15 Min at Half/5 Min at Full Load • RJ45/RJ11 Network/Modem/Fax • USB and RS-232 Ports • (8) NEMA 5-15/20R UPS Receptacles • 44 lbs.

BADGER PART NUMBER:

E1000RT2U or E1000RTXL2U (for extended runtime)

E2000RT2U Standard – E2000RTXL2U Extended

- 2000 VA/1760 W • Runtime: 13 Min at Half/5 Min at Full Load • RJ45/RJ11 Network/Modem/Fax • USB and RS-232 Ports • (8) NEMA 5-15/20R and (1) NEMA L5-20 UPS Receptacles • 72 lbs.

BADGER PART NUMBER:

E2000RT2U or E2000RTXL2U (for extended runtime)

E1500RTXLT2U-208V

- 1500 VA/1200 W • 208V Input & Output • Runtime: 11 Min at Half/4 Min at Full Load • RJ45/RJ11 Network/Modem/Fax • USB and RS-232 Ports • (8) NEMA 5-15/20R UPS Receptacles and (1) L-520R • 45 lbs.

BADGER PART NUMBER:

E1500RTXLT2U

E1500RM2U

- 1500 VA/1200 W • Runtime: 11 Min at Half/4 Min at Full Load • RJ45/RJ11 Network/Modem/Fax • USB and RS-232 Ports • (6) NEMA 5-15/20R UPS Receptacles • (3) 12 Vdc 8.5 Ah Batteries • 55 lbs.

BADGER PART NUMBER:

E1500RM2U

Expandable External Battery Packs

High capacity external battery packs for EnterprisePlus Series offer 2 to 5 times the backup runtime of the standard EnterprisePlus external battery packs for those applications when 15 minutes is not enough. Three-year warranty on battery packs.

BP36RTXL

- Large capacity 2U external battery pack for E750RTXL2U through E1500RTXL(T)2U units

BADGER PART NUMBER:

BP36RTXL



BP36RTEXTL

BP72RTXL

- Large capacity 2U external battery pack for E2000RTXL2U and E3000RTXL(T)2U units BP36RTEXTL

BADGER PART NUMBER:

BP72RTXL

BP36TREXL

- Extreme capacity 3U external battery pack for E750RTXL2U through E1500RTXL(T)2U units

BADGER PART NUMBER:

BP36TREXL

BP72TREXL

- Extreme capacity 3U external battery pack for E2000RTXL2U and E3000RTXL(T)2U units

BADGER PART NUMBER:

BP72TREXL

Designed to support rack and cabinet environments that contain densely populated network and server products, the MINUTEMAN® MMPD products offer the advanced designs that incorporate the features needed most by IT managers, including certification under the newly created UL60950-1 definition. With model capacities ranging from 15 Amps to 30 Amps, and both horizontal and vertical designs, the MMPD Series can adapt to the configuration needed to support your network power requirements. Additionally, all MMPD products are designed to integrate with MINUTEMAN's rack mount UPS products, as well as most other major manufacturers' UPS products.

15-Amp Models

OEPD815HV

• Front Outlets (type) 2x (5-15R) • Rear Outlets (type) 6x (5-15R) • Safety Approvals UL 60950-1, cUL • Horizontal or vertical mounting (1U/OU)

BADGER PART NUMBER:

OEPD815HV

OEPD1415HV

• Front Outlets (type) 2x (5-15R) • Rear Outlets (type) 8x (5-15R) • Safety Approvals UL 60950-1, cUL • Horizontal or vertical mounting (1U/OU)

BADGER PART NUMBER:

OEPD1415HV

OEPD1415HVA

• Amp Meter • Front Outlets (type) 6x (5-15R) • Rear Outlets (type) 8x (5-15R) • Safety Approvals UL 60950-1, cUL • Horizontal or vertical mounting (1U/OU)

BADGER PART NUMBER:

OEPD1415HVA

OEPD2415V62

• Front Outlets (type) 24x (5-15R) • Safety Approvals UL 60950-1, cUL • 62" vertical mounting

BADGER PART NUMBER:

OEPD2415V62

OEPD1815V48

• Front Outlets (type) 18x (5-15R) • Safety Approvals UL 60950-1, cUL
• 48" vertical mounting (OU)

BADGER PART NUMBER:

OEPD1815V48



20-Amp Models

OEPD2420V62

• Front Outlets (type) 24x (5-15/20R) • Safety Approvals UL 60950-1, cUL
• 62" vertical mounting (OU)

BADGER PART NUMBER:

OEPD2420V62

OEPD1420HV

• Front Outlets (type) 6x (5-15/20R) • Rear Outlets (type) 8x (5-15/20R)
• Safety Approvals UL 60950-1, cUL • Horizontal or vertical mounting (1U/OU)

BADGER PART NUMBER:

OEPD1420HV

OEPD1020HV

• Front Outlets (type) 2x (5-15/20R) • Rear Outlets (type) 8x (5-15/20R)
• Safety Approvals UL 60950-1, cUL
• Horizontal or vertical mounting (1U/OU)

BADGER PART NUMBER:

OEPD1020HV



OEPD2420VA62

• Amp Meter • Front Outlets (type) 24x (5-15/20R)
• Safety Approvals UL 60950-1, cUL
• 62" vertical mounting (OU)

BADGER PART NUMBER:

OEPD2420VA62

True on-line, UPS systems (3-year warranty, software included.) Multiple configurations available including parallel and N+1 redundant bundles, contact your representative for full details and ordering information.

High capacity external battery packs for Endeavor Series offer 2 to 5 times the backup runtime of the standard Endeavor external battery packs for those applications when 15 minutes is not enough.

BP24RTXL

• Large capacity 2U external battery pack for ED1000RM(T)2U units

BADGER PART NUMBER:
BP24RTXL

BP48RTXL

• Large capacity 2U external battery pack for ED1500RM2U and ED2000RM2U

BADGER PART NUMBER:
BP48RTXL

BP72RTXL

Large capacity 2U external battery pack for E3000RM2U

BADGER PART NUMBER:
BP72RTXL

BP24RTEXL

• Extreme capacity 3U external battery pack for ED1000RM2U

BADGER PART NUMBER:
BP24RTEXL

BP48RTEXL

• Extreme capacity 3U external battery pack for ED1500RM2U and ED2000RM2U.

BADGER PART NUMBER:
BP48RTEXL

BP72RTEXL

Large capacity 3U external battery pack for E3000RM2U.

BADGER PART NUMBER:
BP72RTEXL



BP72RTEXL

ENDEAVOR™ 6-10kVA RACKMOUNT SERIES

Features:

- True double-conversion online technology • Digital Signal Processor (DSP) design • High power factor (0.9 pf) • LCD Display • Can parallel 2 units
- Automatic Internal Bypass • Independent Battery Bypass • Smart Fan Control • Cold Start Function • Sentry HD Software

ED5200RTXL

• 5000VA / 4500 Watts • 208V in/208V out • input plug is hardwired L6-30P pigtail • output hardwire only • extended runtime capable (BP192RTXL) • external maintenance bypass switch optional (order model ED5200RTXLMB) • 3-year warranty including batteries



ED5200RTXL

ED5000RTXL

• 4556VA / 4100 Watts • 208V in/120/208 out • includes output transformer with 6 – NEMA 5-15/20R, 1 – L6-20R, 1 - L6-30R receptacles • extended runtime capable (BP192RTXL) • external maintenance bypass switch optional (order model ED5000RTXLMB) • 3-year warranty including batteries.



ED5000RTXL

ED6200RTXL

• 6000VA / 5400 Watts • 208V in/208V out • input plug is hardwired L6-30P pigtail • output hardwire only • extended runtime capable (BP192RTXL) • external maintenance bypass switch optional (order model ED6200RTXLMB) • 3-year warranty including batteries.



ED6200RTXL

ED6000RTXL

• 5556VA / 5000 Watts • 208V in, 120/208 out • includes output transformer with 6 – NEMA 5-15/20R, 1 – L6-20R, 1 - L6-30R receptacles • extended runtime capable (BP192RTXL) • external maintenance bypass switch optional (order model ED6000RTXLMB) • 3-year warranty including batteries.

ED8200RTXL

• 8000VA / 7200 Watts • 208V in/208V out • input plug is hardwire only • output hardwire only • extended runtime capable (BP240RTXL) • external maintenance bypass switch optional (order model ED8200RTXLMB) • 3-year warranty including batteries.



ED8200RTXL

ED8000RTXL

• 6889VA / 6200 Watts • 208V in, 120/208 out • includes output transformer with 8 – NEMA 5-15/20R, 1 – L6-20R, 1 - L6-30R receptacles • extended runtime capable (BP192RTXL) • external maintenance bypass switch optional (order model ED8000RTXLMB) • 3-year warranty including batteries.

ED10200RTXL

• 10000VA / 9000 Watts • 208V in/208V out • input plug is hardwire only • output hardwire only • extended runtime capable (BP240RTXL) • external maintenance bypass switch optional (order model ED10200RTXLMB) • 3-year warranty including batteries.

ED10000RTXL

• 8889VA / 8000 Watts • 208V in, 120/208 out • includes output transformer with 8 – NEMA 5-15/20R, 1 – L6-20R, 1 - L6-30R receptacles • extended runtime capable (BP192RTXL) • external maintenance bypass switch optional (order model ED8000RTXLMB) • 3-year warranty including batteries.

View our searchable electronic catalog at: www.badgercommunications.com

- The RPM Series is the ultimate power nerve center for controlling multiple network devices and services
- This powerful device gives network administrators ability to individually control AC power for as many as 8 different connected devices
- Manage AC power to servers, switches, routers, modems and phone systems
- ALL MODELS include management via: HTTP Server, SNMP Agent, TCP/IP, MIBS Net Support

RPM 20161 VN

- 20 amps, Remote on/off of Receptacles, (16) NEMA 5-15R w/ 5-20P Plug, 11 lbs.

RPM 20162 VI

- 20 amps, Remote on/off of Receptacles, (14) IEC320 C13 & (2) IEC320 C19 w/6-20P Plug, 11 lbs.

RPM 2082 HVI

- 20 amps, Remote on/off of Receptacles, (8) IEC5-15R w/ 5-20P Plug, 11 lbs.

RPM 1581 HVN

- 15 amps • Remote on/off of Receptacles • (8) NEMA 5-15R w/5-15P Plug • 9 lbs..

RPM1521E

- Sends messages via SMS text • email • SNMP trap • optional rack-mount ears • optional Temp Probe

RPM1581EV6

- 1U rackmount remote power on/off management of 8 NEMA 5-15R receptacles • individually monitored for each connected load • includes SNMP-NV6 network card with IPv6 support
- 5-15P input plug • 3-year warranty.

BRKT RM RPM1521

- Optional rackmount ears for RPM1521



RPM1581HVN



RPM1521E

ACCESSORIES AND SNMP PRODUCTS

Model	Description	Compatible Units
E BRKT WALL	Optional wall mount kit for use on all EnterprisePlus and Endeavor 1-3kVA models	EnterprisePlus, Endeavor 1-3kVA
E BRKT 23	Optional 23" rack installation kit for all EnterprisePlus and Endeavor 1-3kVA models	EnterprisePlus, Endeavor 1-3kVA
E BRKT RAIL	Optional rail installation kit for all EnterprisePlus and Endeavor 1-3kVA models	EnterprisePlus, Endeavor 1-3kVA
SNMP-NV6	10/100 Mbit IPv4/IPv6 SNMP card with v3 and SSL Security (32-bit)	PRO-RT, EnterprisePlus, Endeavor
SNMP-NET	Dry Contact and programmable relay card for use on EnterprisePlus and Endeavor 1-3kVA Series	EnterprisePlus, Endeavor 1-3kVA, Endeavor 6-24kVA
ENV PROBE	Temperature/Humidity probe only. Must be used with SNMP-NET card	SNMP-NET
Programmable Relay Card	Dry Contact and programmable relay card for use on EnterprisePlus and Endeavor 1-3kVA Series	EnterprisePlus, Endeavor 1-3kVA



E BRKT WALL



SNMP-NV6



SNMP-NET

True on-line, UPS system bundles (3-year warranty, software included.) Multiple configurations available including parallel and N+1 bundles, contact your representative for full details and ordering information.

ED6000T

- 6000VA/4200W • Runtime: 21 Min at Half / 8 Min at Full Load • 208V input 120V/208V output • (20) 12 Vdc 7.2 Ah Batteries • 308 lbs.

BADGER PART NUMBER:

ED6000T

ED6200T

- Same features as ED6000T with 208V input /208V output • 198 lbs.

BADGER PART NUMBER:

ED6200T

ED10000T

- 10000VA/7000W • Runtime: 15 Min at Half / 5 Min at Full Load • 208V input 120V/208V output
- (20) 12 Vdc 9 Ah Batteries • 407 lbs.

BADGER PART NUMBER:

ED10000T

ED10200T

- Same features as ED10000T with 208V input /208V output • 297 lbs.

BADGER PART NUMBER:

ED10200T

EDBP10000T

- Battery pack for ED10000T and ED10200T
- (40) 12 Vdc 9 Ah Batteries • 423 lbs.

BADGER PART NUMBER:

EDBP10000T

ED6-MTBS2

- External Maintenance Bypass Kit for ED12000RM and ED12000
- 13 lbs.

BADGER PART NUMBER:

ED6-MTBS2



ED6000RM

OES1015HV - Rack-Mount Surge Models

- Front Outlets (type) 2x (5-15R) • Rear Outlets (type) 8x (5-15R) • Safety Approvals UL1449, UL60950-1, cUL • Horizontal or vertical mounting (1U/0U)

BADGER PART NUMBER:

OES1015HV

OES1020HV - Rack-Mount Surge Models

- Front Outlets (type) 2x (5-15/20R) • Rear Outlets (type) 8x (5-15/20R) • Safety Approvals UL1449, UL60950-1, cUL • Horizontal or vertical mounting (1U/0U)

BADGER PART NUMBER:

OES1020HV

OEPD1220C13HVL

- 12-Outlet • 208V 20 Amp Receptacles • 1U/0U Horizontal or Vertical Mounting PDU • 8.4 foot power cord

BADGER PART NUMBER:

OEPD1220C13HVL

OEPD2430V48DCLT

- 24-Outlet • 208V 30 Amp Receptacles • 0U Vertical Mounting PDU
- 8.4 ft power cord

BADGER PART NUMBER:

OEPD2430V48DCLT

STANDBY UPS

XST Standby UPS

XST Series - 400-800VA Standby 120V UPS

The compact XST is a single phase standby UPS designed to deliver power protection to small routers, switches, desktop PCs, VoIP equipment, phone systems, and point of sale equipment. A vital addition to any home office, it enables graceful shutdown of equipment during a longer power outage.

- Floor, Desk or Wall Mount • Ideal for Small Office / Home Office environments
- Slightly larger than a wireless router • Use with small routers, switches, desktops, VOIP equipment
- Compact size – Vertical, Horizontal or Wall Mount • Microprocessor Control
- USB Port, Communications Cable, and Shutdown Software included with XST-600 and XST-800
- Auto Restart • Cold Start Function • Discharge, overcharge, short circuit, and thermal protection
- 2 years electronics, 2 years battery warranty



XST Series

BADGER PART NUMBER:	Name	Description
90000414	XST-400	400VA/240W Standby Tower UPS
90000416	XST-600	600VA/360W Standby Tower UPS including USP Port, Communications Cable, and Shutdown Software
90000418	XST-800	800VA/480W Standby Tower UPS including USP Port, Communications Cable, and Shutdown Software

LINE-INTERACTIVE UPS

S70 Line-Interactive UPS

S70 Series - 500-2000VA Line-Interactive 120V UPS

Power quality disturbances including voltage fluctuations, over voltage, under voltage, and voltage blackouts occur unexpectedly. In the event of any of these common power problems, the S70 UPS activates to protect all connected critical loads—ranging from your computer to your business telephone system. The S70 streamlines installation to just a few simple steps, allowing backup power protection right out of the box. The smart LCD screen offers real-time monitoring of UPS parameters while shutdown and monitoring software enables UPS and remote device control over your network.

- Plug-and-play functionality means the UPS is ready to start backing up your equipment right out of the box
- Smart LCD display monitors UPS vitals and manages all power devices in your network via USB
- USB communications & software CD enables plug-and-play communications between servers, desktops, and the UPS; offers seamless installation with Windows, Mac, Solaris, and Linux operating systems
- Modern and compact, perfect for use in any home office or small office setting
- 465 Joule surge suppression rating • UL, cUL, RoHS • 3 years electronics, 3 years battery warranty



S70 Series

BADGER PART NUMBER:	Name	Description
90000550	S70-500	500VA/300W Tower UPS Line-Interactive UPS
90000551	S70-700	700VA/420W Tower UPS Line-Interactive UPS
90000552	S70-1000	1000VA/600W Tower UPS Line-Interactive UPS
90000616	S70-1500	1440VA/900W Tower UPS Line-Interactive UPS
90000554	S70-2000	2000VA/1200W Tower UPS Line-Interactive UPS

P80 Line-Interactive UPS

The P80 is a pure sine wave line interactive UPS that protects critical data and equipment from power problems while supplying clean and reliable network grade power. P80 units are the highest efficiency available, providing utility cost savings at all load levels. P80 unity and 0.90 Power Factor models provide more power for high density loads.

- Pure sine wave output • UL, cUL, RoHS
- Tower, wall, 2-post and 4-post rack mounting configurations available
- Extended battery runtimes with optional matching battery modules
- 3 years electronics, 3 years battery warranty (USA and Canada)
- 99% efficient operation • Smart LCD display • Extended battery runtimes
- Programmable receptacle group • Hot swappable battery



P80 Series

BADGER PART NUMBER:	Name	Description
90000900	P80-800	800VA/720W 120v UPS, 2U
90000901	P80-1100	1100VA/990W 120V UPS, 2U
90000902	P80-1500	1500VA/1350W 120V UPS, 2U
90000903	P80-2200	2000VA/2000W 120V UPS, 2U
90000904	P80-3000	3000VA/2700W 120V UPS, 2U
90000954	P80g-3000	3000VA/2700W 208/230V UPS, 2U
90000430	P80g-5000	5000VA/4500W 208/230V UPS, 2U

BADGER PART NUMBER:	Name	Description
90000916	P90-BP48	48V Battery Pack for P80-1500, 2U
90000917	P90-BP72	72V Battery Pack for P80-2200, P80g-3000, 2U
90000432	P80-BP72X	72V High Rate Battery Pack for P80g-5000, 2U
90000909	P90-RAIL	4-Post Rail Kit
90000399	SNMP-2PMINI	Two Port Internal SNMP Card
90000522	P905SP15	Extended 5 Year Factory Warranty for P80-800, P80-1100, P80-1500 UPS
90000523	P905SP23	Extended 5 Year Factory Warranty for P80-2200, P80-3000, P80g-3000 UPS
90000524	P90L5SPBP	Extended 5 Year Factory Warranty for P90-BP48, P90-BP72, P90-BP72X
90000431	P805SP5	Extended 5 Year Factory Warranty for P80g-5000 UPS

ON-LINE UPS

P90 On-line UPS

P90 Series - 1000-3000VA On-line 120V or 208/230V UPS

The P90 is a true online UPS that delivers continuous, high quality AC power to servers and network equipment with no break when transferring to battery. The P90 provides both tower and rack mount form factors. It protects your equipment from blackouts, brownouts, sags, surges, and noise interference. The P90 offers the lowest total cost of ownership by cutting energy costs and lowering heat output.

- 0.9 output power factor provides more real wattage for high density loads
- 98% efficiency in ECO mode • UL, cUL, CE, RoHS • Tower, 2-post and 4-post rack mounting configurations available
- 3 years electronics, 3 years battery warranty • Extended battery runtimes with optional matching battery modules



P90 Series

BADGER PART NUMBER:	Name	Description
90000905	P90-1000	1000VA/900W 120V UPS with 1A charger 2U
90000922	P90-1500	1500VA/1350W 120V UPS with 1A charger 2U
90000907	P90-2000	2000VA/1800W 120V UPS with 1A charger 2U
90000908	P90-3000	3000VA/2700W 120V UPS with 1A charger 2U
90000318	P90g-1500	1500VA/1350W 208/230V UPS with 1A charger 2U
90000920	P90g-3000	3000VA/2700W 208/230V UPS with 1A charger 2U
90000916	P90-BP48	48V battery pack for P90-2000 2U
90000917	P90-BP72	72V battery pack for P90-3000/P90g-3000 2U
90000399	SNMP-2PMINI	Single Port SNMP card
90000909	P90-RAIL	4-post rail kit for use with all P90 models
90000522	P905SP15	Extended 5 Year Factory Warranty for P90-1000/1500 UPS
90000523	P905SP23	Extended 5 Year Factory Warranty for P90-2000/3000 and P90g-3000 UPS
90000524	P90L5SPBP	Extended 5 Year Factory Warranty for P90-BP42/BP72

TX90 6kVA & 10kVA On-Line UPS

TX90 Series - 6kVA & 10kVA On-Line 240/120VAC or 208/120VAC UPS

Isolated online UPS provides the cleanest power in the most demanding conditions. The TX90 galvanic isolation transformer prevents common mode noise which is left exposed by typical transformerless online designs. Isolated online applications include retail, industrial environments, laboratories, and any installation with grounding or noise issues. TX90 provides dual output voltages and programmable output frequency to meet a wide range of requirements.

- Up to four TX90 units can be paralleled for additional capacity or redundant operation • Optional battery runtimes up to 8 hours
- Manually transfer critical loads from UPS power to utility power, enabling TX90 UPS maintenance
- UL1778, cUL, FCC Class A, RoHS • 3 years electronics, 3 years battery warranty\



TX90 Series

BADGER PART NUMBER:	Name	Description
90000150	TX90-6K	6kVA/5.4kW Tower UPS with Isolation Transformer
90000151	TX90-10K	10kVA/9kW Tower UPS with Isolation Transformer
90000245	T90-EBP920	Extended Battery Pack for TX90-6K/10K with (20) batteries
90000246	T90-EBP940	Extended Battery Pack for TX90-6K/10K with (40) batteries
90000247	T90-EBP960	Extended Battery Pack for TX90-6K/10K with (60) batteries
90000324	T90-240CHG	1000W charger for use with TX90-6K/10K
90000453	T9SP610	Extended 5 Year Factory Warranty for TX90-6K/10K
90000454	T9SPBP2	Extended 5 Year Factory Warranty for T90-EBP920
90000455	T9SPBP4	Extended 5 Year Factory Warranty for T90-EBP940
90000456	T9SPBP6	Extended 5 Year Factory Warranty for T90-EBP960

XPRT On-line UPS

XPRT Series - 6kVA & 10kVA On-Line 208/120V UPS

These true online, double conversion UPS systems provide more capacity in less space. The XPRT-6kVA (4U) and XPRT-10kVA (6U) models save space, weight, and power through a dual inverter design which provides selectable output voltages of 208/120V, 240/120V, 230/115V, or 200/100V without the need for transformers. The XPRT-10kVA features hardwired input and output terminals and an optional output receptacle module. It includes one internal power module and two internal battery modules. The chassis contains a bypass switch which allows all modules to be removed without powering down the connected load.

- Integrated maintenance bypass allows UPS electronics and battery to be serviced or replaced without interruption to critical load
- Hardwire input and output with terminal block connections or optional input cord and output receptacles
- UL, cUL, FCC • 3 years electronics, 3 years battery warranty



XPRT Series

BADGER PART NUMBER:	Name	Description
90000013	XPRT-6000B	6000VA 208V UPS (Bundled Solution: UPS + Internal Battery Pack + Receptacle PDU)
90000036	XPRT-6000HB	6000VA 208V UPS (Bundled Solution: UPS + Internal Battery Pack)
90000014	XPRT-10000B	10000VA 208V UPS (Bundled Solution: UPS + Internal Battery Pack)
90000019	XPRT-BP4	Extended Battery Pack for 6000VA UPS
90000030	XPRT-BP5	Extended Battery Pack for 10000VA UPS
90000031	XPRT-SNMP2	Internal Web/SNMP Card
90000032	XPRT-RR2	4-post rail kit
90000359	XPSP610	Extended 5 Year Factory Warranty for XPRT 6000VA & 10000VA
90000513	XPRT5SPB4	Extended 5 Year Factory Warranty for XPRT-BP4
90000514	XPRT5SPB5	Extended 5 Year Factory Warranty for XPRT-BP5

BYPASS DISTRIBUTION MODULES

XBDM Bypass Distribution Modules

XBDM 15A, 20A, 30A, & 63A Models

The XBDM ensures continuous uptime for your critical electronics. This maintenance bypass module allows you to manually transfer critical loads from UPS power to utility power using a bypass switch, enabling UPS repair or replacement without power interruption to the load. Transferring back to protected UPS power is just as easy; simply return the bypass switch to the UPS position.

- XBDM adds up to ten output receptacles and combines bypass functionality with power distribution capability in one enclosure
- Plug/receptacle and hardwired models available • Replace or service the UPS while maintaining power to critical loads.
- UPS and utility power are both connected to the XBDM with the supplied cords
- LED indicators verify availability of UPS and Utility sources - confirming to the operator that power is available before transferring critical loads.
- Loads are surge protected even when UPS is in Bypass mode. UPS electronics are protected during normal operation.
- Flexible Mounting at the front or rear of 19" rack - vertically or horizontal



XBDM Series

BADGER PART NUMBER:	Name	Description
90000090	XBDM-1015LV	Bypass distribution module 15A/120VAC. Input: 5-15P 12ft. Output: (10) 5-15R
90000091	XBDM-1020LV	Bypass distribution module 20A/120VAC. Input: 5-20P 12ft. Output: (10) 5-20R
90000093	XBDM-1030LV	Bypass distribution module 30A/120VAC. Input: L5-30P 6ft. Output: (10) 5-20R

POWER DISTRIBUTION UNITS

XPDU Power Distribution Units

XPDU 15A, 20A, 30A, & 50A Models

Improve data center power distribution with the XPDU family, a series of power distribution units that combine the key features needed to manage high density equipment racks or wiring closets. XPDU's deliver reliable power distribution to multiple units of connected equipment by adding up to 24 receptacles to your rack space. These PDUs compliment your current power source and are compatible with any manufacturer's UPS.

- XPDU's provide up to 24 receptacles for power distribution
- Switched model includes Web/SNMP interface with monitoring software and on/off control of eight receptacles
- Input pigtail available with Basic XPDU3 models • Transformer PDU provides 208V to 120V step down
- Vertical and horizontal configurations • UL, cUL, FCC, CE (varies by model) • 3 year full warranty



XPDU Series

BADGER PART NUMBER:	Name	Description
90000040	XPDU-815HV	15A 120V PDU. Input: 5-15P 12ft. Output: (8) 5-15R
90000041	XPDU-1415HV	15A 120V PDU. Input: 5-15P 12ft. Output: (14) 5-15R
90000071	XPDU0815SL	15A 120V Switched PDU. Input: 5-15P 10ft. Output: (8) 5-15R