



StrikeShield™ Surge Protection Devices

Whole House Protection - don't let power surges from lightning, neighbors' power problems or other power supply transients damage sensitive electrical and electronic equipment!

StrikeShield SPDs = Protection

StrikeShield SPDs (Surge protection Devices) are protective devices for limiting transient voltages and surges by quickly and safely diverting surge current. Their advanced design not only provides all-mode system protection, but is robust enough to provide a long life of protection over repeated transient events.

Peace of Mind

StrikeShield SPDs install in parallel with the service entry. When the incoming voltage exceeds the safe limit, the StrikeShield™ unit reacts in less than a billionth of a second to divert the potentially damaging currents. Depending on the model, the unit's surge capacity can be as high as 200,000 Amps.

The Technology

StrikeShield SPDs use high-performance protection technology to ensure both safety and long life, including:

- Minimizing component stress using advanced linear sharing design
- Maximizing the repetitive surge capacity using thermally protected MOVs
- Built-in noise attenuation capacitors to help reduce EMI and RFI noise interference

Together, these technical features deliver top-drawer protection even when hit with repeated surge events over the units life.

Feature Overview

- Indicator lights for a visual check on the protection integrity of each phase
- Audible Alarm for real-time local notification (can be disabled if needed)
- NO and NC Dry Contacts for easy support of remote monitoring

Product Safety

StrikeShield™ SPDs were designed and tested in compliance with leading national standards, including:

- UL 1449 3rd Edition Listed
- NEC Article 100/285
- IEEE
- CBEMA/ITIC
- NEMA LS

All-Mode Protection

StrikeShield™ SPDs provide protection over all available modes as shown:

- L-N
- L-G
- N-G
- L-L



IMPORTANT NOTE: These devices are "Type II" as defined by the NEC and UL and should be connected at Electrical Service Entry ONLY.

Part #	Surge Capacity Per Mode	Surge Capacity Per Phase
EP-SS100-1S240	50 kA	100 kA
EP-SS200-1S240	100 kA	200 kA



UPS System Features Pure Sine Wave Output, Optimized for System Performance

Includes SignalSafe™ Power Cord Technology

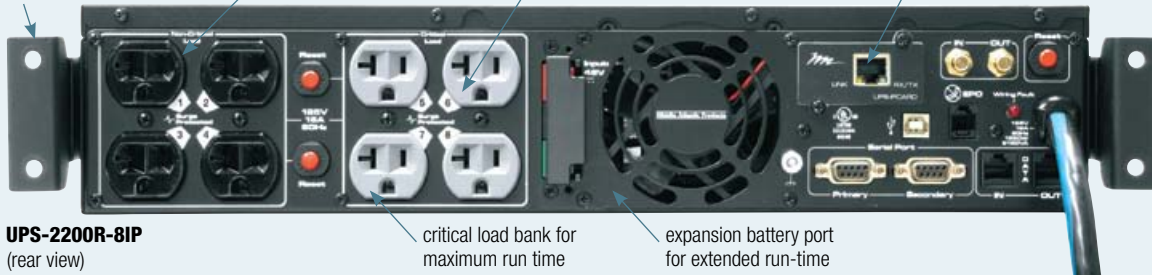


Spec. #
96-01101
for full
product
info.

WEB-ENABLED!

UPS-2200R
(front view)

telescoping rear rack ears for secure installation non-critical load bank for load shedding individual outlet control on specific models Web card expansion port



UPS-2200R-8IP
(rear view)

critical load bank for maximum run time expansion battery port for extended run-time

Try the
UPS Runtime Calculator at
www.middleatlantic.com!



Power Manager Software

Features pure sine wave output, extremely fast 4 millisecond transfer time

- Pure Sine Wave technology; only 1.5% nominal total harmonic distortion (THD)
- Automatic Voltage Regulation ensures a stable 120VAC output
- Energy Saver circuitry – reduces UPS power consumption by up to 75% when compared with traditional UPS designs
- Compact rackmount chassis only 19" deep
- Non-critical load shedding and high capacity batteries extend run time for critical loads
- Models with individual outlet control available
- Fast 4 millisecond transfer time ensures no system disruption or equipment lockup
- Expansion Battery Pack option - Connect up to 10 to a single UPS for extended half-load run times up to 20 hours!
- Easily integrates with control systems using RS-232
- Hot swappable battery for easy service
- Power Manager software allows the configuration of vital system settings
- 3 year warranty on electronics
- Total of 8 surge protected outlets

Now with Web-Based Control

- Each outlet can be individually controlled (IP and RS-232)
- Real time UPS monitoring via the Web
- Remote management and configuration of UPS via Web Browser or NMS
- Auto-shutdown to protect servers/workstations from data loss due to power failure
- Schedule shutdown/start-up/reboot of the UPS
- Event logging to trace UPS operational history
- Data logging for analyzing power conditions
- Event notification via email and SNMP traps
- Supports TCP/IP, SNMP/HTTP, NTP, DNS, SMTP protocol
- MIB provided
- Quick installation and user friendly interface
- User upgradeable firmware via FTP
- Security management provided

Part #	Description	Web Enabled	Outlet Controlled	Dimensions	Rackspaces	Termination
UPS-1000R	1000VA / 750W UPS	No	Critical/Non-critical Bank	17"W x 3.5"H x 19"D	3-1/2" (2 space)	9' cord w/NEMA 5-15P Plug
UPS-1000R-IP	1000VA / 750W UPS	Yes	Critical/Non-critical Bank	17"W x 3.5"H x 19"D	3-1/2" (2 space)	9' cord w/NEMA 5-15P Plug
UPS-1000R-8	1000VA / 750W UPS	No	Individual Outlet	17"W x 3.5"H x 19"D	3-1/2" (2 space)	9' cord w/NEMA 5-15P Plug
UPS-1000R-8IP	1000VA / 750W UPS	Yes	Individual Outlet	17"W x 3.5"H x 19"D	3-1/2" (2 space)	9' cord w/NEMA 5-15P Plug
UPS-2200R	2150VA / 1650W UPS	No	Critical/Non-critical Bank	17"W x 3.5"H x 19"D	3-1/2" (2 space)	9' cord w/NEMA 5-20P Plug
UPS-2200R-IP	2150VA / 1650W UPS	Yes	Critical/Non-critical Bank	17"W x 3.5"H x 19"D	3-1/2" (2 space)	9' cord w/NEMA 5-20P Plug
UPS-2200R-8	2150VA / 1650W UPS	No	Individual Outlet	17"W x 3.5"H x 19"D	3-1/2" (2 space)	9' cord w/NEMA 5-20P Plug
UPS-2200R-8IP	2150VA / 1650W UPS	Yes	Individual Outlet	17"W x 3.5"H x 19"D	3-1/2" (2 space)	9' cord w/NEMA 5-20P Plug
UPS-2200R-CH	2150VA / 1650W UPS	No	Critical/Non-critical Bank	17"W x 3.5"H x 19"D	3-1/2" (2 space)	9' cord w/NEMA 5-20P Plug input & hardwired output
UPS-2200R-HH	2150VA / 1650W UPS	No	Critical/Non-critical Bank	17"W x 3.5"H x 19"D	3-1/2" (2 space)	hardwired 36" flex cable input and hardwired output
UPS-EBPR	UPS Expansion Battery Pack	-	-	17"W x 3.5"H x 19"D	3-1/2" (2 space)	-
UPS-IPCARD	UPS Network Interface Card	Yes	-	-	-	-
UPS-RBP	UPS Replacement Battery Pack	-	-	-	-	-

