Select Series UPS
backup power systems

value priced UPS with simulated sine wave and IP capability

features:
- 4 models available
  - 1 and 2 RU sizes
  - 2200, 1500, 1000 and 500VA options
- Bank control of outlets for simple system reboot
- Simulated sine wave output waveform
- Remote monitoring and control of power with optional IP card
- 8ms transfer time
- Automatic Voltage Regulation
- Non-critical load shedding
- Surge protection and EMI filtering
- LED status indicators
- Battery pack easily replaced via front panel
- UL Listed in the US and Canada

Select Series Rackmount Uninterruptible Power Supply (UPS) shall be Middle Atlantic Products model # UPS- S__ R (refer to chart). Rackmount UPS shall be AVR with boost only. Rackmount UPS shall measure 19.00” W x ___” H x ___” D (refer to chart) and occupy ___ (1,2, refer to chart) rackspaces. Rackmount UPS shall operate on 120 VAC/60Hz current. Rackmount UPS shall have a nominal output of 120V. Rackmount UPS shall have a capacity of ___ VA and ___ W (refer to chart). Rackmount UPS shall have ___ NEMA 5- ___ receptacles on the rear of the unit (refer to chart). Rackmount UPS shall have a priority outlet bank consisting of ___ outlets (refer to chart) dedicated to ensure maximum run time of critical components. Rackmount UPS shall have a non-critical outlet bank consisting of ___ outlets (refer to chart) dedicated to load shedding. Rackmount UPS shall have a simulated sine wave output waveform. Rackmount UPS shall have an 8ms transfer time. Rackmount UPS shall have surge suppression that utilizes a clean line-to-neutral design that does not pass noise contamination to ground. Rackmount UPS shall allow for a ___ minute run time at half load and a ___ minute run time at full load. Rackmount UPS shall be RoHS EU Directive 2002/95/EC & 2011/65/EU compliant. Rackmount UPS shall utilize Middle Atlantic Power Manager™ software. Rackmount UPS shall be warrantied to be free from defects in materials and workmanship under normal use and conditions for a period of 3 years; battery shall be warrantied for a period of 2 years. Rackmount UPS shall be UL listed in US and Canada.

Customizable specification clips available at middleatlantic.com

options:
- UPS-IPCARD: Web based control shall be enabled on non-internet enabled Middle Atlantic Products UPS by UPS-IPCARD, which shall be installed into the Expansion Port on the rear of the UPS.
- Replacement Battery: Replacement Battery Pack for the UPS shall be Middle Atlantic Products model # UPS Replacement Battery
  - UPS-S500R UPS-SRBP-500
  - UPS-S1000R UPS-SRBP-1000
  - UPS-S1500R UPS-SRBP-1500
  - UPS-S2200R UPS-SRBP-2200

middleatlantic.com / middleatlantic.ca
UPS-S Series

basic dimensions

all dimensions in inches unless otherwise noted [all dimensions in brackets are in millimeters]

UPS-S500R

UPS-S1000R
what great systems are built on.

UPS-S Series
basic dimensions

all dimensions in inches unless otherwise noted [all dimensions in brackets are in millimeters]

Technical Specifications

<table>
<thead>
<tr>
<th>Model#</th>
<th>Amperage Rating</th>
<th>Outlets</th>
<th>Power Cord</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPS-S1500R</td>
<td>15A</td>
<td>NEMA5-15R</td>
<td>15A</td>
<td>1500VA</td>
</tr>
<tr>
<td>UPS-S2200R</td>
<td>20A</td>
<td>NEMA5-20R</td>
<td>20A</td>
<td>2000VA</td>
</tr>
</tbody>
</table>

- **Capacity (Va):**
  - UPS-S500R: 500
  - UPS-S1000R: 1000
  - UPS-S1500R: 1500
  - UPS-S2200R: 2000

- **Capacity (Watts):**
  - UPS-S500R: 300
  - UPS-S1000R: 600
  - UPS-S1500R: 900
  - UPS-S2200R: 1320

**Input**

- **Cord Length And Plug Type:**
  - 10ft. & NEMA 5-15P
  - 10ft. & NEMA 5-20P

- **Input Voltage Range:** 90 VAC - 140 VAC

- **Input Frequency Range:** 60Hz #+/−3Hz (auto sensing)

**Output**

- **On Battery Output Voltage:** simulated sine wave at 120 VAC +/-10%

- **On Battery Output Frequency:** 60 Hz #+/−1%

- **AVR:** boost only (with input voltage less than 100 VAC)

- **Transfer Time (Typical):** 8 ms

- **Overload Protection:** on utility: circuit breaker, on battery: internal current limiting

- **Surge Protection & Filtering:** single mode, L - N

- **Lightning/Surge Protection:**
  - UPS-S500R: 1030 Joules
  - UPS-S1000R: 1030 Joules
  - UPS-S1500R: 1840 Joules
  - UPS-S2200R: 1840 Joules

**Physical**

- **Output Receptacles:**
  - UPS-S500R: 6 NEMA 5-15R
  - UPS-S1000R: 8 NEMA 5-15R
  - UPS-S1500R: 8 NEMA 5-20R

- **Weight Lb. (Kg):**
  - UPS-S500R: 18 (8.2)
  - UPS-S1000R: 32 (15)
  - UPS-S1500R: 48 (21.9)
  - UPS-S2200R: 52.7 (23.9)

**Battery**

- **Sealed Maintenance Free Lead Acid Battery:**
  - UPS-S500R: 6V / 7.0AH X 2
  - UPS-S1000R: 6V / 7.0AH X 4
  - UPS-S1500R: 12V / 7.0AH X 4
  - UPS-S2200R: 12V / 9.0AH X 4

- **Full Load Run Time (estimated):**
  - UPS-S500R: 3 minute
  - UPS-S1000R: 3 minute
  - UPS-S1500R: 6 minute
  - UPS-S2200R: 4 minute

- **Half Load Run Time (estimated):**
  - UPS-S500R: 12 minute
  - UPS-S1000R: 13 minute
  - UPS-S1500R: 18 minute
  - UPS-S2200R: 13 minute

**Warning Diagnostics**

- **Indicators:**
  - power on, wiring fault, led display (using battery, AVR, load level, battery level)

- **Audible Alarms:**
  - on battery, low battery, overload

**Environmental**

- **Operating Temperature:** 32°F to 104°F (0°C to 40°C)

- **Operating Relative Humidity:** 0 to 95% non-condensing

**Communication**

- **Power Manager Software (TM):** WINDOWS 98/ME/NT/2000/XP/VISTA/WINDOWS 8

- **Auto-Charger/Auto-Restart:** yes

- **Built-In USB Interface:** yes