

Premium Online Series

UPS backup power systems

backup protection with double conversion that isolates and conditions output power for clean, consistent, reliable power

features:

- Permanent connection to the battery for zero transfer time eliminating system disruptions and guaranteeing maximum uptime
- Complete isolation and conditioning of output power with double conversion topology providing the cleanest power possible
- Reduced ambient noise with quiet variable speed fans
- Longest run time available in this form factor with the capability to add up to 10 expansion battery packs
- Front accessible, hot-swappable batteries to eliminate downtime related to UPS power maintenance
- Pure sine wave output waveform automatically corrects over-voltage and under-voltage conditions
- Non-critical load shedding
- EMI/RFI filtering for clean power of connected equipment
- Monitoring and reporting for real time battery life notifications
- Removable LCD display & power switch for remote accessible functionality
- Flexibility to set the output frequency to match connected equipment
- Remote monitoring and control of power with optional IP card



specifications:

Rackmount Online Uninterruptible Power Supply (UPS) shall be Middle Atlantic Products model # UPS-OL__ R (refer to chart). Unit shall measure 19.00" W x 3.50" H x __" D and occupy 2 rackspaces. UPS shall have a rear mounting range of 20.69" to 36.19" and not require more than one person to mount. UPS shall have a minimum usable depth of __" (refer to chart). Unit shall operate on 120 VAC/60Hz. Unit shall have a nominal output of 120V. Unit shall have a capacity of __ VA and __ W (refer to chart). Unit shall have () NEMA 5- __ receptacles on the rear of the unit (refer to drawing). Unit shall have a priority outlet bank consisting of _ outlets dedicated to ensure maximum run time of critical components. Unit shall have a non-critical outlet bank consisting of _ outlets dedicated to load shedding (refer to drawing). Unit shall be IP enabled when used with optional IP Expansion card, model# UPS-OLIPCARD. Rackmount UPS shall include a 10' power cord with NEMA __ (refer to chart) plug. UPS shall have surge suppression that utilizes a clean line-to-neutral design that does not pass noise contamination to ground. Rackmount UPS shall have a hot swappable battery that allows for a __ minute run time at half load and a __ (refer to chart) minute run time at full load. Rear of unit shall have inputs that allow for the installation of up to __ additional hot swappable batteries (refer to chart). Rackmount UPS shall meet the EU RoHS Directive 2011/65/EU. 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 to US and Canadian safety requirements and FCC/IC Class A or B.

Customizable specification clips available at middleatlantic.com

EIA/TIA COMPLIANT



options:

UPS-OLIPCARD

Web based control shall be enabled by the use of optional UPS-OLIPCARD, which shall be installed into the Expansion Port on the rear of the UPS.

Expansion Battery

Rackmount expansion battery pack shall be Middle Atlantic Products model# UPS-OLEBPR__ (refer to chart for model number and compatibility). Rackmount expansion battery pack shall be warrantied for a period of 2 years.

Replacement Battery

UPS hot swappable replacement battery pack shall be Middle Atlantic Products model# UPS-OLRBP-__ (refer to chart for model number and compatibility). Replacement battery shall be warrantied for a period of 2 years.

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Middle Atlantic Products

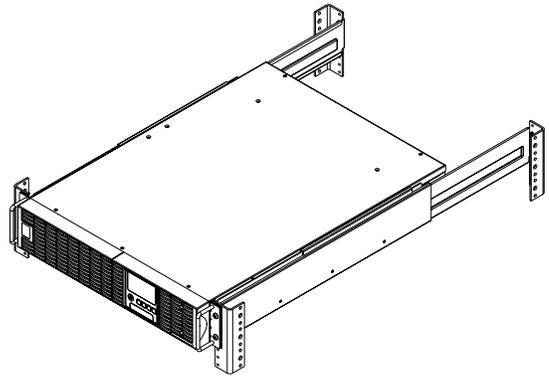
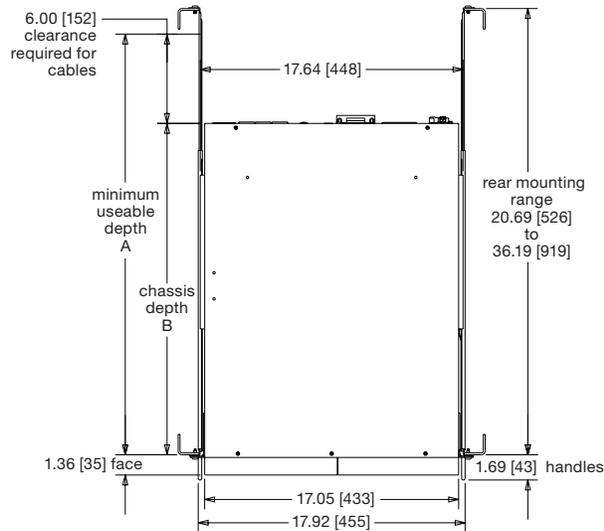
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96-01236 / rev a / 6-7-16

Premium Online Series UPS

basic dimensions

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



Model Number	A Minimum Useable Depth	B Chassis Depth	Amperage Rating
UPS-OL1500R	20.69 [526]	15.57 [395]	15 AMP
UPS-OLEBPR-2	20.69 [526]	15.57 [395]	15 AMP
UPS-OL2200R	28.26 [718]	22.26 [565]	20 AMP
UPS-OL3000R	28.26 [718]	22.26 [565]	30 AMP
UPS-OLEBPR-1	28.26 [718]	22.26 [565]	20 AMP

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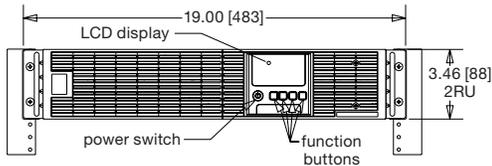
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Premium Online Series UPS

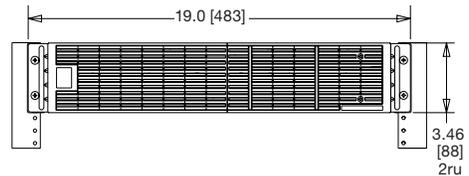
basic dimensions

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

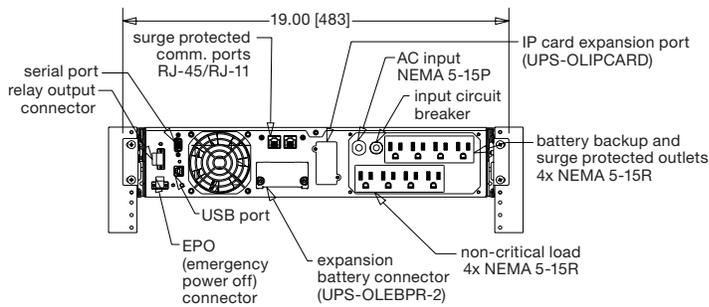
front view
UPS-OL1500R, UPS-OL2200R & UPS-OL-3000R



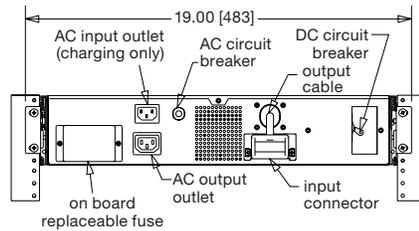
front view
UPS-OLEBPR-1 & UPS-OLEBPR-2



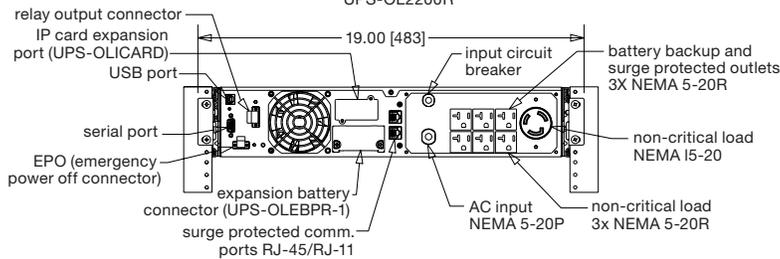
rear view
UPS-OL1500R



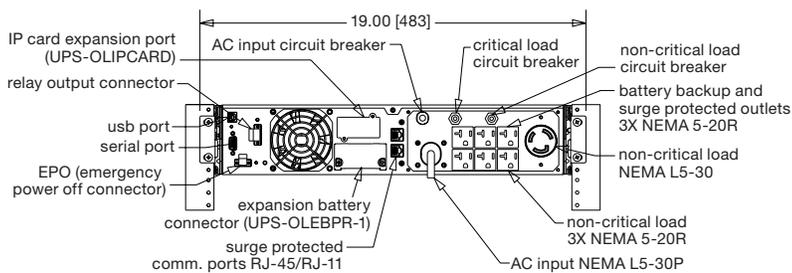
rear view
UPS-OLEBPR-1 & UPS-OLEBPR-2



rear view
UPS-OL2200R



rear view
UPS-OL3000R



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UPS SPECS	UPS-OL1500R	UPS-OL2200R	UPS-OL3000R
CONFIGURATION			
Capacity (VA)	1500VA	2200VA	3000VA
Capacity (Watts)	1350W	1800W	2700W
INPUT			
Cord Length and Plug Type	10ft, NEMA 5-15P	10ft, NEMA 5-20P	10ft, NEMA L5-30P
Input Voltage Range	100~125Vac		
Input Frequency Range	50 / 60Hz		
Input Power Factor	0.99		
Cold Start	Yes		
OUTPUT			
Output Waveform	Sine wave		
Output Voltage (regulated)	100, 110, 115, 120, 125Vac (Configurable) ±2%		
Output Frequency	50 / 60Hz (Auto-Sensing or Configurable) ±0.25Hz		
Transfer Time	0ms		
Rated Power Factor	0.9	0.82	0.9
Harmonic Distortion	THD < 3% at Linear Load, < 5% at Non-linear Load		
Crest Factor	3:1		
ECO Mode Voltage Regulation	±10%, ±15% (Configurable)		
UPS Outlets	(8) NEMA 5-15R	(6) NEMA 5-20R, (1) L5-20R	(6) NEMA 5-20R, (1) L5-30R
PROTECTION			
Surge Protection	IEC 61000-4-5 Level 3		
Phone / Network Protection	RJ11/RJ45 (One In/One Out)		
Overload Protection	Line Mode: 105~125% Load for 1 min, 126~150% Load for 10 sec Battery Mode: 105~130% Load for 10 sec, 131~150% Load for 2 sec		
Short Circuit Protection	UPS Output Cut off Immediately or Input Fuse / Circuit Breaker Protection		
BATTERY			
Specifications	(3) 12V/9AH	(6) 12V/9AH	(6) 12V/9AH
Full Load Runtime (estimated)	4min	7min	4min
Half Load Runtime (estimated)	12min	20min	11min
Recharge Time (Typically)	5 hours for 0-100% Capacity; 4 hours for 0-90% Capacity		
Sealed, Maintenance Free	Yes		
Hot-Swappable	Yes		
STATUS INDICATORS			
LCD Screen	Multi-Function LCD Readout that Supports: (19) Types of Read Out, (22) Types of Function Setting, (5) Event Logs		
LED Indicators	Power On (White), Line Mode (Green), Battery Mode (Yellow), Bypass Mode (Yellow), Fault (Red), Replace Battery (Red)		
Audible Alarms	Battery Mode, Battery Low, Overload, UPS Fault		
ENVIRONMENT			
Operating Temperature	32° to 104° F (0° to 40° C)		
Operating Relative Humidity	0 to 90% Non-Condensing		
MANAGEMENT			
On-Device Features	Self-Test, Auto-Charge, Auto-Restart, Auto-Overload Recovery		
Connectivity Ports	(1) Serial Port (RS232), (1) USB Port, (1) Relay Out		
Expansion Slot	(1) Expansion Slot for optional remote management cards (With optional UPS-OLIPCARD)		
SOFTWARE			
Power Management Software	Middle Atlantic Power Manager Software		
PHYSICAL			
Net Weight	39.6lbs (18kg)	68.2lbs (31kg)	
SAFETY			
Conformance Approvals	UL and FCC		
RoHS	RoHS Compliant		

BATTERY SPECS	UPS-OLEBPR-2	UPS-OLEBPR-1
CONFIGURATION		
AC Input Voltage	100~125Vac	
DC Output Voltage	36Vdc	72Vdc
Amperage	60A	
PHYSICAL		
Net Weight	50.6lbs(23.0Kg)	96.8lbs(44.0Kg)
BATTERY		
Specifications	Qty 6 (2 x Banks of 3 Batteries)	Qty 12 (2 x Banks of 6 Batteries)
Recharge Time (Typically)	5 hours for 0-100% Capacity; 4 hours for 0-90% Capacity	
Interface	PP45	
Sealed, Maintenance Free	Yes	
Hot-Swappable	Yes	
Built-in Charger	Yes	
ENVIRONMENT		
Operating Temperature	32°F to 104°F (0°C to 40°C)	
Operating Relative Humidity	0 to 90% Non-Condensing	
SAFETY		
Conformance Approvals	UL	
RoHS	RoHS Compliant	

The following table shows Middle Atlantic Products, Inc. online UPS units and their corresponding online expansion battery packs. Contact technical support at 1-800-266-7225 for more information about Middle Atlantic Product's Battery Replacement Program.

MAP UPS or EBPR Part #	Description	Compatible Expansion Battery Packs	UPS-OLRBP-1	UPS-OLRBP-2	UPS-OLRBP-3	UPS-OLRBP-4
UPS-OL1500R	1500VA UPS	UPS-OLEBPR-2			X	
UPS-OL2200R	2200VA UPS	UPS-OLEBPR-1	X			
UPS-OL3000R	3000VA UPS	UPS-OLEBPR-1	X			
UPS-OLEBPR-1	2200/3000VA UPS Expansion Battery	NA		X (2 each)		
UPS-OLEBPR-2	1500VA UPS Expansion Battery	NA			X (Left)	X (Right)