

Premium Power Protection for Mission Critical Applications



- *Power conditioning*
- *Outage protection*
- *Rackmount or tower format*

Online double conversion UPS solution offers power conditioning and outage protection in a compact and flexible rack or tower format. With near unity power factor operation (2U units), the UPS provides maximum usable power to equipment and protects it with a standard 3-year warranty (or optional 5-year extended warranty). The 2U models provide scalable battery capacity when extended protection is required; the powerful charger can provide up to 8 amps of current to quickly recharge up to 7 matching battery packs (ordered separately).

FEATURES

- Available Power Ratings. 1000VA (1U/2U), 1500VA, 2000VA, 3000VA
- High Output Power Factor . . . Provides near unity output power factor rating (2U units)
- Efficient Operation Up to 98% ECO mode efficiency lowers energy consumption.
- Charging Current 1/2/4/6/8A, adjustable from LCD display. Optimize charging for most battery solutions (2U units)
- Multiple Communications. . . . The UPS9A Series offers capability for communications via RS-232 and USB. See the accessories section below to add modules to accommodate more formats.
- Programmable Receptacles. . Remote on/off control (2U units)
- Hot Swappable Battery Replace battery without interrupting the load.
- Fast Recharge Up to 95% in just 3 hours (2U units)
- Mounting Formats Rackmount: 1U and 2U models include a 4-point rackmount rail kit with horizontal brackets. See chart on page 2 for minimum depth requirements.
Tower Pedestals: 2U models also include pedestals for non-rackmount applications.
- Compliance UL, cUL, RoHS, TAA compliant (UPS only). See chart on page 3 for more.
- Warranty 3 year warranty on electronics and battery (U.S. and Canada)

ACCESSORIES (order separately)

- Maintenance Bypass Bypass module enables the UPS to be replaced or serviced without interruption of power to critical loads. (UPS-XBDM-20RCD w/cord)
- Expansion Battery Pack. External battery packs for extended run times are available for 1500VA, 2000VA and 3000VA UPS. (see chart on pg. 2)
- Dry Contact Card. Form C relay dry contact closures for remote monitoring. (UPS-RELAY)
- SNMP Card Internal card with software allows monitoring and control of remotely connected UPS from a web browser. (UPS-SNMP)
- Environmental Sensor Works with the SNMP card to detect variations in temperature/humidity, and the presence of water. (UPS-SNMP-EMP)
- Extended Warranty Five year warranty on electronics and battery. Warranty must be purchased at the same time as the UPS. (see chart on pg. 2)

UPS9A SERIES OVERVIEW

Model No.	Description	4-pt. Rail kit	Tower pedestals	UPS overall depth *	UPS mounting depth w/rail kit **	Minimum rack depth ***
UPS						
UPS9AC-1000	Online UPS 1000VA (800W), 1U	√		18.8"	17.8"	22"D
UPS9A-1000	Online UPS 1000VA (1000W), 2U	√	√	16.1"	15.1"	22"D
UPS9A-1500	Online UPS 1500VA (1450W), 2U	√	√	16.1"	15.1"	22"D
UPS9A-2000	Online UPS 2000VA (1930W), 2U	√	√	20"	19"	27"D
UPS9A-3000	Online UPS 3000VA (2880W), 2U	√	√	24.8"	23.8"	32"D
Accessories						
UPS-RELAY	Dry contact card relay control					
UPS-SNMP	Internal SNMP card					
UPS-SNMP-EMP	Environmental monitoring sensor (works w/UPS-SNMP)					
UPS-XBDM-20RCD	Corded bypass module (for UPS9A-2000)					
UPS-XBPA-36	Expansion battery pack, 2U (for UPS9A-1500)	√	√			
UPS-XBPA-36E	Expansion battery pack, 2U (for UPS9A-1500)	√	√			
UPS-XBPA-48	Expansion battery pack, 2U (for UPS9A-2000)	√	√			
UPS-XBPA-72	Expansion battery pack, 2U (for UPS9A-3000)	√	√			
UPS-EW-522	Extended 5 year warranty (for UPS9A-1000, 1500; UPS9AC-1000)					
UPS-EW-523	Extended 5 year warranty (for UPS9A-2000, 3000)					
UPS-EW-524	Extended 5 year warranty (for external battery packs)					
UPS-RBT1-370	REPLACEMENT battery tray (for UPS9A-1000)					
UPS-RBT2-371	REPLACEMENT battery tray (for UPS9A-1500)					
UPS-RBT3-372	REPLACEMENT battery tray (for UPS9A-2000)					
UPS-RBT4-373	REPLACEMENT battery tray (for UPS9A-3000)					
Bundles						
UPS9A-1000-IP	UPS9A-1000 + UPS-SNMP	√	√			
UPS9A-1500-IP	UPS9A-1500 + UPS-SNMP	√	√			
UPS9A-2000-IP	UPS9A-2000 + UPS-SNMP	√	√			
UPS9A-3000-IP	UPS9A-3000 + UPS-SNMP	√	√			

* UPS Overall Depth: UPS chassis with front bezel.

** UPS Mounting Depth: Dimensions of UPS mounted in a rack from front rack rail to rear of UPS (bezel extends approx. 1" beyond front rack rail).

*** Minimum Rack Depth: For Lowell floor-standing racks (contact Lowell for other rack styles)



SPECIFICATIONS

LOWELL MODEL NO.		UPS9AC-1000	UPS9A-1000	UPS9A-1500	UPS9A-2000	UPS9A-3000
CAPACITY	Power rating	1000VA (800W)	1000VA (1000W)	1500VA (1450W)	2000VA (1930W)	3000VA (2880W)
INPUT	Voltage/frequency	50–150VAC* / 50/60Hz auto-sensing				
OUTPUT	Voltage	120VAC	120VAC nominal (100/110/115/127 selectable)***			
	Waveform	Pure sine wave, 1U: <=3% THD (linear load), <=5% THD (non-linear load); 2U: <=2% THD (linear load), <=4% THD (non-linear load)				
	Frequency	50/60Hz ± 0.3Hz	50/60Hz ± 0.1Hz			
	Efficiency	Up to 98%				
	Overload capacity	1U online mode: >105% & ≤130% for 2min; >130% & ≤200% for 10sec; >200% for 250ms 2U online mode: >110% & ≤130% for 5min; >130% & ≤140% for 30sec; >140% for 1.5sec				
BATTERY	Battery chemistry	Sealed, maintenance-free lead acid				
	Battery size	(4) 6V 290W	(2) 12V 9AH	(3) 12V 9AH	(4) 12V 9AH	(6) 12V 9AH
	Typical recharge / charger	<9 hours to 90%	<3 hours to 95% with 2A charger current			
	Charging current	1A	2A default, max 8A adjustable			
PHYSICAL	Dimensions (W x D x H) **	17.2 x 17.8 x 1.7 in	17.2 x 15.1 x 3.5 in		17.2 x 19 x 3.5 in	17.2 x 23.8 x 3.5 in
	Weight	28 lbs	25.5 lbs	34.2 lbs	43 lbs	60.6 lbs
	Line cord	C14 inlet, 5ft 5-15P to C13 line cord	6 ft, 5–15P		6 ft, 5–20P	6 ft, L5–30P
	Receptacles	(3) NEMA 5–15R	(8) NEMA 5–15R		(8) NEMA 5–15/20R	L5–30R + (6) 5–15/20R
ENVIRONMENT	Operating temperature	32–104°F (0–40°C)				
	Altitude	11,500 ft above sea level				
APPROVALS	UL, cUL, RoHS, FCC Class B (1000VA [2U], 1500VA), FCC Class A (1000 VA [1U], 2000VA, 3000VA), TAA compliant (UPS only)					
WARRANTY	3 years electronics, 3 years battery warranty (USA and Canada)					
COMMUNICATIONS INTERFACE	RS-232 (2U), USB, EPO, intelligent slot for optional cards (Web/SNMP, Relay/dry contact)					
INCLUDED IN BOX	ViewPower software, 4-point rail kit with brackets, tower pedestals (2U models only), front brackets					

* Depending on load level.

** Rack depth is front bracket to unit panel. Add 1" for depth including front bezel.

*** Capacities are based on highest selectable voltage. Some models derate at lower voltages.

BATTERY RUN TIME (MINUTES)	Internal Batteries		External Battery Packs														
			1		2		3		4		5		6		7		
	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	
UPS9AC-1000	20	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UPS9A-1000	6	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UPS9A-1500 (BP36)	10	3	42	17	84	33	120	51	157	72	199	93	244	112	289	128	
UPS9A-1500 (BP36E)	10	3	84	33	157	72	244	112	339	146	N/A	N/A	N/A	N/A	N/A	N/A	
UPS9A-2000 (BP48)	10	3	42	17	84	33	121	51	157	72	200	93	244	112	290	128	
UPS9A-3000 (BP72)	10	3	42	17	84	33	121	52	158	73	201	94	246	112	292	129	

NOTE: Maximum of seven battery packs per UPS9A-1500, UPS9A-2000, or UPS9A-3000 (excluding BP36E)

Approximate run times are shown in minutes and vary based on battery condition, age, cycles, and ambient temperature.



A&E SPECIFICATIONS

(2U models): The uninterruptible power supply (UPS) shall be Lowell model _____ (UPS9A-1000, UPS9A-1500, UPS9A-2000, UPS9A-3000), which shall include a 4-point rackmount rail kit and tower pedestals. The chassis shall measure _____. The UPS shall feature input voltage/frequency of 50-150VAC/ 50/60Hz auto-sensing, depending on load level. Output voltage shall be 120VAC nominal (100/110/115/127 selectable, capabilities based on highest selectable voltage). Power rating shall be _____ (1000VA, 1500VA, 2000VA, 3000VA). The unit shall feature _____ receptacles and include a power cord with plug.

INSTRUCTIONS

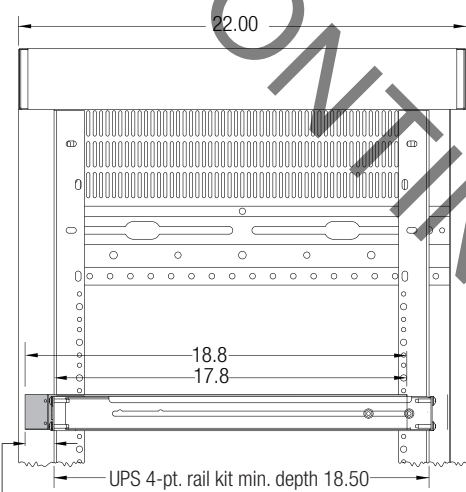
Download the user manual at www.LowellMfg.com

4-POINT RACKMOUNT RAIL KIT

Mounting the UPS to a rack requires front and rear rack rails, as shown. Refer to the series summary chart (pg. 2) to obtain the minimum rack depth required for each UPS model. *Note: Minimum depths are provided for Lowell floor racks only.*

Lowell Floor Rack – 22”D min.

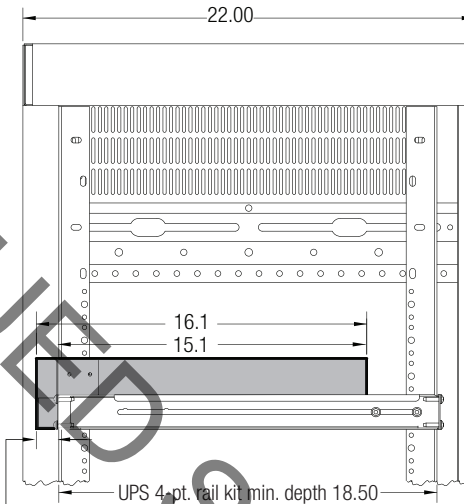
- UPS9AC-1000



UPS bezel protrudes approx. 1" from rack rail

Lowell Floor Rack – 22”D min.

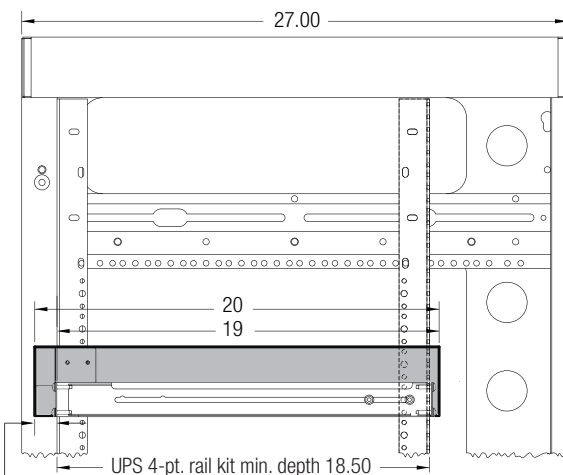
- UPS9A-1000, UPS9A-1500



UPS bezel protrudes approx. 1" from rack rail

Lowell Floor Rack – 27”D min.

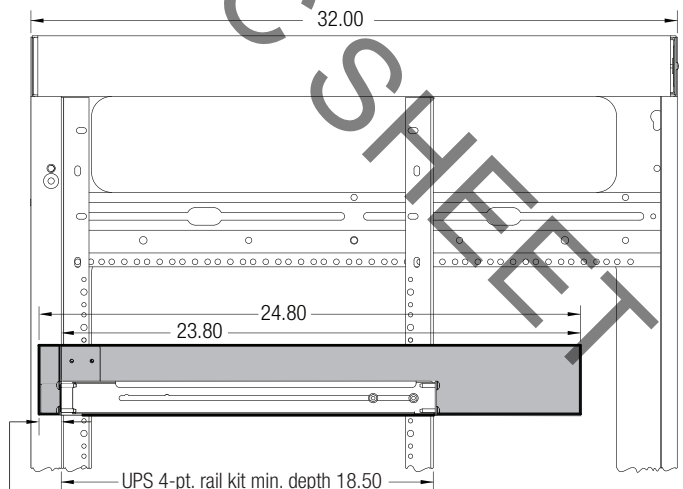
- UPS9A-2000



UPS bezel protrudes approx. 1" from rack rail

Lowell Floor Rack – 32”D min.

- UPS9A-3000



UPS bezel protrudes approx. 1" from rack rail

