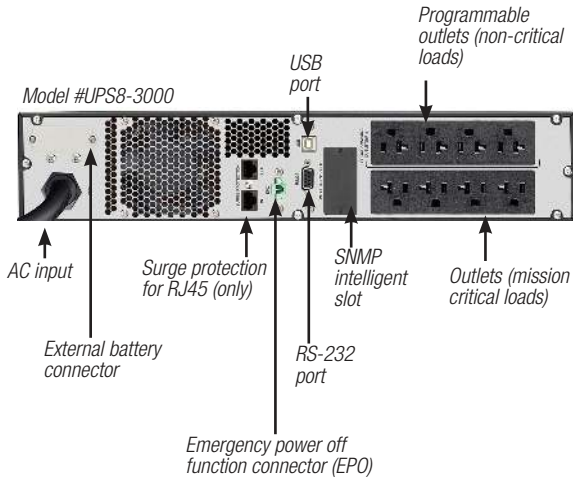


### features.



- **Description:** Pure sine wave 120V line interactive UPS offer the highest efficiency available—protects critical data and equipment from power problems, while supplying clean, reliable network grade power. Advanced line interactive power protection is ideal for AV electronics, servers, network equipment, and more.
- **Pure Sine Wave Output**
- **Power Rating:** This series offers five models: 1100VA, 1500VA, 2000VA, 2200VA, 3000VA.
- **Auto Restart:** After full battery discharge, the UPS8 automatically restarts when utility power returns.
- **Highly Efficient:** 99% efficient operation in high efficiency ECO mode lowers energy consumption.
- **Smart LCD Display:** Vital monitoring and precise information provided on front panel.
- **Programmable Receptacle Group:** Maximize uptime for critical loads and equipment by shedding less critical loads.
- **Temperature Compensated Charging:** To prolong battery life and help reduce replacement costs.
- **Hot Swappable Battery:** Easy to replace without interrupting the load.
- **Includes Two Mounting Formats:**
  - **4-pt. Rackmount Rail Kit** with horizontal brackets. See chart (pg. 2) for minimum rack depth requirements.
  - **Tower Pedestals** for non-rackmount applications.
- **Warranty:** 3 year warranty on electronics and battery (U.S. and Canada)
- **UL, cUL, RoHS**

### OPTIONS (order separately)

- **Expansion Battery Pack:** External battery packs for extended run times are available for some models. (#UPS-XBP Series)
- **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 UPS-SNMP card to detect variation in temperature, humidity, and presence of water. (#UPS-SNMP-EMP)
- **Hardwired Bypass Module:** Enables UPS model #UPS8-2200 to be replaced or serviced without interruption of power to critical loads. (#UPS-XBDM-20RHW)
- **Corded Bypass Module:** Enables UPS model #UPS8-2000 or #UPS8-2200 to be replaced or serviced without interruption of power to critical loads. (#UPS-XBDM-20RCD)
- **Advanced Surge Suppression:** Compact 15A or 20A unit features 3-stage protection against surges (up to 72,000A) and over/under protection. (#ACSP-1502-VTE or #ACSP-2002-VTE).
- **Extended Warranty:** Five (5) year warranty on electronics and battery; must be purchased at same time as UPS. (#UPS-EW Series, see chart pg. 2)

### UPS 8 series summary

Model No.	Description	4-pt. rail kit	tower pedestals	UPS overall depth *	UPS mounting depth w/rail kit **	Minimum rack depth ***
UPS8-1100	Line interactive UPS 1100VA (990W), 2U	√	√	16.1"	15.1"	22"D
UPS8-1500	Line interactive UPS 1500VA (1350W), 2U	√	√	19.9"	18.9"	27"D
UPS8-2000	Line interactive UPS 2000VA (1800W), 2U	√	√	19.9"	18.9"	27"D
UPS8-2200	Line interactive UPS 2200VA (2000W), 2U	√	√	24.6"	23.6"	32"D
UPS8-3000	Line interactive UPS 3000VA (2700W), 2U	√	√	24.6"	23.6"	32"D
<b>Accessories</b>						
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 UPS8-2000, 2200)					
UPS-XBDM-20RHW	Hardwired bypass module (for UPS8-2200)					
UPS-XBP-48	Expansion battery pack, 2U (for UPS8-1500)	√	√			
UPX-XBP-72	Expansion battery pack, 2U (for UPS8-2200, 3000)	√	√			
UPS-EW-522	Extended 5 year warranty (for UPS8-1100, 1500)					
UPS-EW-523	Extended 5 year warranty (for UPS8-2000, 2200, 3000)					
UPS-EW-524	Extended 5 year warranty (for external battery packs)					
<b>Bundles</b>						
UPS8-1100-IP	UPS8-1100 + UPS-SNMP	√	√			
UPS8-1500-IP	UPS8-1500 + UPS-SNMP	√	√			
UPS8-2000-IP	UPS8-2000 + UPS-SNMP	√	√			
UPS8-2000-HW	UPS8-2000 + UPS-XBDM-20RHW	√	√			
UPS8-2000-IPHW	UPS8-2000 + UPS-SNMP + UPS-XBDM-20RHW	√	√			
UPS8-2000-CD	UPS8-2000 + UPS-XBDM-20RCD	√	√			
UPS8-2000-IPCD	UPS8-2000 + UPS-SNMP + UPS-XBDM-20RCD	√	√			
UPS8-2200-IP	UPS8-2200 + UPS-SNMP	√	√			
UPS8-2200-HW	UPS8-2200 + UPS-XBDM-20RHW	√	√			
UPS8-2200-IPHW	UPS8-2200 + UPS-SNMP + UPS-XBDM-20RHW	√	√			
UPS8-2200-CD	UPS8-2200 + UPS-XBDM-20RCD	√	√			
UPS8-2200-IPCD	UPS8-2200 + UPS-SNMP + UPS-XBDM-20RCD	√	√			
UPS8-3000-IP	UPS8-3000 + UPS-SNMP	√	√			
<b>Replacement Batteries</b>						
UPS-RBT1-370	Replacement battery tray (for UPS8-1100)					
UPS-RBT3-372	Replacement battery tray (for UPS8-1500, UPS8-2000)					
UPS-RBT4-373	Replacement battery tray (for UPS8-2200, UPS8-3000)					

\* 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.		UPS8-1100	UPS8-1500	UPS8-2000	UPS8-2200	UPS8-3000
CAPACITY	Power rating	1100VA (990W)	1500VA (1350W)	2000VA (1800W)	2200VA (2000W)	3000VA (2700W)
INPUT	Voltage nominal	120VAC				
	Voltage range	-32% to +27% without use of battery				
	Frequency	50/60Hz auto-sensing				
OUTPUT	Voltage	120VAC nominal (110/115/127 selectable)				
	Waveform	Pure sine wave				
	Transfer time (typical)	2–6ms				
	Efficiency	Up to 99% ECO mode, 95% buck and boost mode				
	Harmonic distortion	2% @ 100% linear load; 5% @ 100% non-linear load				
BATTERY	Battery type	Sealed, maintenance-free lead acid				
	Battery quantity/size	(2) 12V 9AH	(4) 12V 7AH	(4) 12V 9AH	(6) 12V 7AH	(6) 12V 9AH
	Charging current	1.5A max				
	Typical recharge	4 hours to 90%				
PHYSICAL	Dimensions (W x D x H) *	17.2 x 15.1 x 3.5 in	17.2 x 18.9 x 3.5 in		17.2 x 23.6 x 3.5 in	
	Weight	30.5 lbs	44.7 lbs	47.4 lbs	61.7 lbs	67.1 lbs
	Line cord	6 ft, 5–15P	6 ft, 5–15P	6 ft, 5–20P	6 ft, 5–20P	6 ft, L5–30P
	Receptacles	(8) NEMA 5–15R			(8) NEMA 5–15/20R	
OPTIONAL BATTERY PACKS	Model number	N/A	UPS-XBP-BP48		UPS-XBP-72	
	Dimensions (W x D x H) *	N/A	17.2 x 18.9 x 3.5 in		17.2 x 23.6 x 3.5 in	
	Weight	N/A	74.6 lbs		104.4 lbs	
	Battery	N/A	(8) 12V 9AH / 48V		(12) 12V 9AH / 72V	
ENVIRONMENT	Operating temperature	32–104°F (0–40°C)				
	Audible noise	< 45dBA				
	Altitude	11,500 ft above sea level				
APPROVALS	UL, cUL, RoHS					
WARRANTY	3 years electronics, 3 years battery warranty (USA and Canada)					
COMMUNICATIONS INTERFACE	RS-232, USB, EPO, intelligent slot for optional cards (Web/SNMP, Relay/dry contact)					
INCLUDED IN BOX	software CD, 4-point rail kit, brackets, tower pedestals					

\* **NOTE:** Dimensions show depth of a rackmounted unit from front rack rail to rear of UPS, excluding bezel which extends beyond front of rack. Add 1 inch to the value shown to obtain overall depth of UPS, including bezel.

### battery run time (minutes)

Percentage load:	Internal batteries				(1) Battery pack				(2) Battery packs			
	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%
UPS8-1100	26	11	5	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UPS8-1500	31	12	6	4	124	53	31	22	216	102	61	42
UPS8-2000	30	12	6	4	119	50	30	20	211	97	58	40
UPS8-2200	32	12	6	4	125	54	32	22	219	104	62	43
UPS8-3000	30	12	6	4	119	50	30	20	211	97	58	40

NOTE: Maximum of two (2) battery packs per UPS. Run times will vary based on battery condition, age, cycles, and ambient temperature.

### a&e specifications

The uninterruptible power supply (UPS) shall be Lowell \_\_\_\_\_ (#UPS8-1100, #UPS8-1500, #UPS8-2000, #UPS8-2200, #UPS8-3000), which shall feature a 4-point rail kit for rack installation, as well as tower pedestals for alternate applications. The 2U chassis shall measure 17.2" x 3.5" x \_\_\_\_\_ (16.1", 19.9", 24.6"). The UPS shall operate on 120VAC/60Hz current with nominal output of 120V (110/115/127 selectable). Power rating shall be \_\_\_\_\_ (1100VA, 1500VA, 2000VA, 2200VA, 3000VA). The unit shall feature NEMA receptacles and a 6 ft. power cord with plug. The UPS shall include a battery that is hot-swappable, and has a run time of \_\_\_\_\_ (half load) or \_\_\_\_\_ (full load).



## instructions.

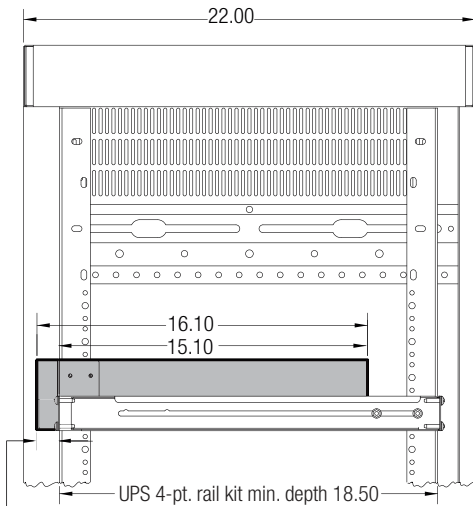
User manual is available for download at [www.LowellMfg.com](http://www.LowellMfg.com)

## 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.

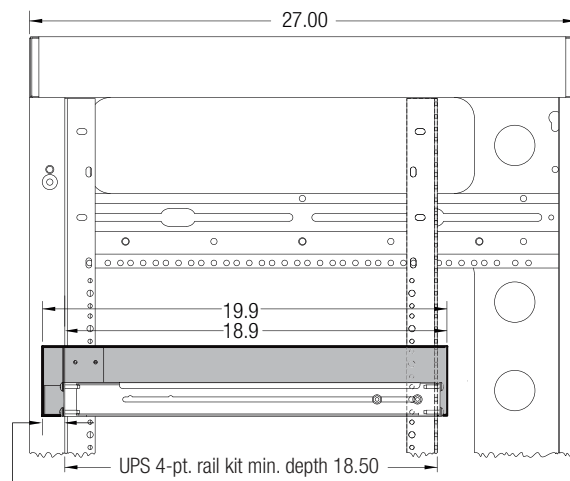
- UPS8-1100



UPS bezel protrudes approx. 1" from rack rail

### Lowell Floor Rack – 27”D min.

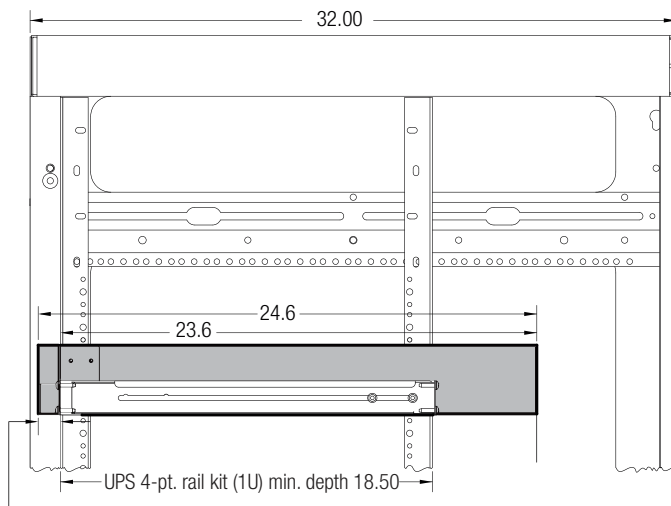
- UPS8-1500, UPS8-2000



UPS bezel protrudes approx. 1" from rack rail

### Lowell Floor Rack – 32”D min.

- UPS8-2200, UPS8-3000



UPS bezel protrudes approx. 1" from rack rail