

Reliable and economical backup power protection for servers and network applications.



**Pure Sine Wave Line-Interactive Conversion —**

Provides robust power protection against blackouts, brownouts and voltage surges



**99% efficient operation**—high efficiency ECO mode lowers energy consumption



**Auto restart**—Automatically restarts when utility power returns after full battery discharge



**Smart LCD display**—vital monitoring and precise information from the front panel



**Programmable receptacle group**—maximize uptime for critical loads and equipment by shedding less critical loads



**Temperature compensation**—temperature compensated charging to prolong battery life and help reduce replacement costs



**Hot swappable battery**—easy to replace without interrupting the load

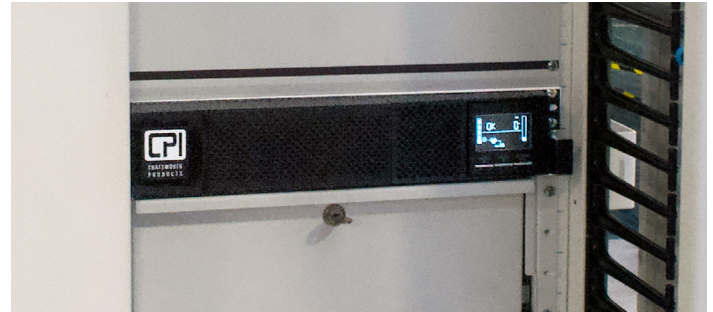


**Maintenance bypass**—an optional maintenance bypass distribution module enables the UPS to be replaced or serviced without interruption of power to critical loads



**Extended battery runtimes**—optional matching battery modules available for extended runtimes

## Lead Acid Line-Interactive UPS, 800VA–5000VA



UPS installed in CPI Four-Post Rack System

### ADDITIONAL FEATURES:

- Available models: 800VA, 1100VA, 1500VA, 2000VA, 2200VA, 3000VA, 5000VA
- Tower, two-post, and four-post rack mounting configurations
- UL, cUL, CE, RoH, TAA Compliant
- 3 years electronics, 3 years battery warranty (USA and Canada)

### SPECIFICATIONS:

Description:	Pure sine wave Line-Interactive UPS with lead acid batteries
Use:	For indoor use in environmentally controlled areas or within environmental enclosures that maintain Operating Conditions (listed below)
Power Capacity:	<ul style="list-style-type: none"> <li>• Specific to UPS (see ordering table)</li> </ul>
Power Input:	<ul style="list-style-type: none"> <li>• Alternating current, 50/60 Hz autosensing</li> <li>• Voltage, varies per model (see ordering table)</li> <li>• 120 VAC models support 120 VAC nominal input, -32% to +27% range without use of battery</li> <li>• 200-240 VAC models support 208/220/230/240 VAC nominal input, 162-290 VAC range</li> </ul>
Power Output:	<ul style="list-style-type: none"> <li>• Voltage, varies per model (see ordering table)</li> <li>• 120 Volt models support 120 VAC nominal with 100/115/127 VAC selectable output</li> <li>• 200-240 Volt models support 230 VAC nominal with 208/220/230/240 VAC selectable output.</li> <li>• Waveform: Pure sine wave</li> <li>• Transfer time (typical): 2-6 ms</li> <li>• Efficiency: Up to 99% ECO mode, 95% buck and boost mode</li> <li>• Harmonic distortion: 2% @ 100% linear load; 5% @ 100% non-linear load</li> </ul>

### Availability: U.S. & Canada

#### United States

Simi Valley, CA  
800-834-4969

#### Canada

Toronto, Ontario, Canada  
+905-850-7770

#### Europe

Buckinghamshire, UK  
+441628 524834

#### Middle East & Africa

Dubai, UAE  
+971-4-2602125

Doha, Qatar

+974-4-267422

#### Latin America

Mexico City  
+52-55-5203-7525  
Toll Free within Mexico  
+800-201-7592  
chatsworth.com.co

#### Asia Pacific

Shanghai  
+86 21 6880-0266  
chatsworth.com.cn



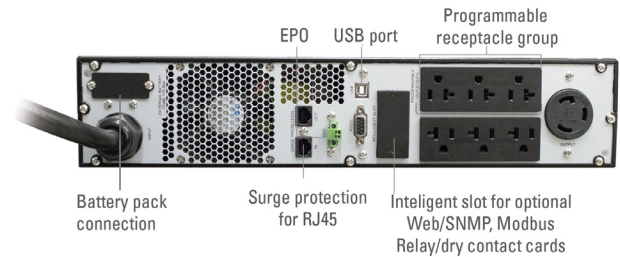
CHATSWORTH  
PRODUCTS

SPECIFICATIONS:

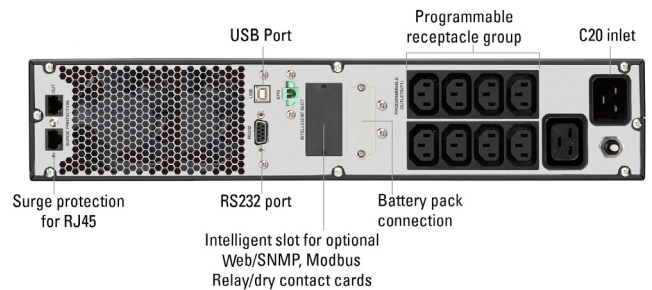
Battery:	<ul style="list-style-type: none"> <li>• Battery Chemistry: Sealed, maintenance-free lead acid</li> <li>• Battery Size: Specific to UPS                             <ul style="list-style-type: none"> <li>- VL800x: (2) 12V 7AH</li> <li>- VL1100x: (2) 12V 9AH</li> <li>- VL1500x: (4) 12V 7AH</li> <li>- VL2000x: (4) 12V 9AH</li> <li>- VL2200x: (6) 12V 7AH</li> <li>- VL3000x: (6) 12V 9AH</li> <li>- VL5000x: (6) 12V 580W at 5 min</li> </ul> </li> <li>• Charger current: 1.5A max</li> <li>• Recharge Time: 4 hours to 90%</li> </ul>
Physical:	<ul style="list-style-type: none"> <li>• Rack-Mount Spaces: 2U, includes mounting brackets</li> <li>• Dimensions: Specific to UPS                             <ul style="list-style-type: none"> <li>- VL800x: 3.5"H x 17.2"W x 15.1"D (89 mm x 437 mm x 384 mm)</li> <li>- VL1100x: 3.5"H x 17.2"W x 15.1"D (89 mm x 437 mm x 384 mm)</li> <li>- VL1500x: 3.5"H x 17.2"W x 18.9"D (89 mm x 437 mm x 480 mm)</li> <li>- VL2000x: 3.5"H x 17.2"W x 18.9"D (89 mm x 437 mm x 480 mm)</li> <li>- VL2200x: 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm)</li> <li>- VL3000x: 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm)</li> <li>- VL5000x: 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm)</li> </ul> </li> <li>- Add 1" (25.4 mm) to front for bezel. Bezel extends in front of the equipment mounting rails.</li> <li>• Weight: Specific to UPS                             <ul style="list-style-type: none"> <li>- VL800x: 29.3 lb (13.3 kg)</li> <li>- VL1100x: 30.5 lb (13.8 kg)</li> <li>- VL1500x: 44.7 lb (20.3 kg)</li> <li>- VL2000x: 47.4 lb (21.5 kg)</li> <li>- VL2200x: 61.7 lb (27.9 kg)</li> <li>- VL3000x: 67.1 lb (30.4 kg)</li> <li>- VL5000x: 78.5 lb (35.6 kg)</li> </ul> </li> <li>• Line cord: Specific to UPS (see ordering table)</li> <li>• Receptacles: Specific to UPS (see ordering table)</li> </ul>
Optional Battery Packs	<ul style="list-style-type: none"> <li>• Rack-Mount Spaces: 2U, includes mounting brackets</li> <li>• Dimensions: Specific to Battery Pack:                             <ul style="list-style-type: none"> <li>- VXB1: 3.5"H x 17.2"W x 18.9"D (89 mm x 437 mm x 480 mm)</li> <li>- VXB2: 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm)</li> <li>- VXB3: 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm)</li> </ul> </li> <li>• Weight: Specific to Battery Pack:                             <ul style="list-style-type: none"> <li>- VXB1: 74.6 lb (33.8 kg)</li> <li>- VXB2: 104.4 lb (47.4 kg)</li> <li>- VXB3: 110.4 lb (50.1 kg)</li> </ul> </li> <li>• Battery: Specific to Battery Pack:                             <ul style="list-style-type: none"> <li>- VXB1: (8) 12V 9AH / 48VDC</li> <li>- VXB2: (12) 12V 9AH / 72VDC</li> <li>- VXB3: (12) 12V 580W at 5 min / 72VDC</li> </ul> </li> </ul>
Operating Conditions:	<ul style="list-style-type: none"> <li>• Temperature: 32-104°F (0-40°C)</li> <li>• Audible noise: &lt;45dBA</li> <li>• Elevation: 0-11,500' (0-3500 m) above sea level</li> </ul>
Approvals:	<ul style="list-style-type: none"> <li>• 120 Volt models: UL, cUL, RoHS, TAA Compliant</li> <li>• 200-240 Volt models: CE, RoHS, TAA Compliant</li> </ul>
Warranty:	3 years electronics, 3 years battery warranty (USA and Canada)
Communications Interface:	RS232, USB, EPO, intelligent slot for optional card (Web/SNMP)
Included in Box:	ViewPower software, user manual, horizontal brackets, and tower pedestals



VL3000A-1 Rear



VL3000B Rear



# ORDERING INFORMATION



Lead Acid Line-Interactive UPS								
Part Number	Capacity VA	Capacity W	Input Plug*	Output Receptacles	Runtime 100%load	Runtime 50% load	External Battery Option	Bypass Distribution Module Compatibility
120 Volt**								
VL800A	800	720	5-15P	(8) 5-15R	4	11	No	BDM1A
VL1100A	1100	990	5-15P	(8) 5-15R	3	11	No	BDM1A
VL1500A	1500	1350	5-15P	(8) 5-15R	4	12	VXBP1	BDM1A
VL2000A	2000	1800	5-20P	(8) 5-20R	4	12	VXBP1	BDM1B
VL2200A	2200	2000	5-20P	(8) 5-20R	4	12	VXBP2	BDM1B
VL3000A	3000	2700	L5-30P	(8) 5-20R	4	12	VXBP2	BDM1D
VL3000A-1	3000	2700	L5-30P	(1) L5-30R + (6) 5-20R	4	12	VXBP2	BDM1D
200-240 Volt*								
VL3000B	3000	2700	C19 Inlet to L6-20P	(1) C19 + (8) C13	3	8	VXBP2	BDM1C
VL5000B	5000	4500	L6-30P	(1) L6-30R + (4) C19	2	5	VXBP3	No
VL5000B-1	5000	4500	L6-30P	(2) L6-30R + (2) L6-20R + (1) C19	3	8	VXBP3	No

\*\*For 120 VAC models, Voltage input is 120 nominal, -32% to +27% range without use of battery. Voltage output is 120 VAC nominal with 100/115/127 VAC selectable output. Line cord is 6' (1.8 m) long.

\*For 200-240V models, voltage input is 208/220/230/240 VAC nominal, 162-290 VAC range. Voltage output is 230 VAC nominal with 208/220/230/240 VAC selectable output.

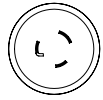

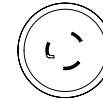



Line cord on VL3000B is 8' (2.4 m) long. Other line cords are 6' (1.8 m) long.

## Battery Runtimes:

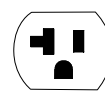
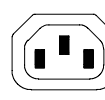
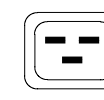
Battery Runtimes as a percentage of full load														
UPS P/N	Capacity (Watts)	Internal Batteries Only				With (1) Battery Pack				With (2) Battery Packs				Battery P/N
		25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	
VL800A	720	29	11	6	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VL1100A	990	26	11	5	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VL1500A	1350	31	12	6	4	124	53	31	22	216	102	61	42	VXBP1
VL2000A	1800	30	12	6	4	119	50	30	20	211	97	58	40	VXBP1
VL2200A	2000	32	12	6	4	125	54	32	22	219	104	62	43	VXBP2
VL3000A	2700	30	12	6	4	119	50	30	20	211	97	58	40	VXBP2
VL3000A-1	2700	30	12	6	4	119	50	30	20	211	97	58	40	VXBP2
VL3000B	2700	13	8	5	3	56	34	24	20	107	66	47	38	VXBP2
VL5000B	4500	10	5	3	2	38	24	18	14	71	45	33	27	VXBP3
VL5000B-1	4500	10	5	3	2	38	24	18	14	71	45	33	27	VXBP3

Battery runtimes shown in minutes and will vary based on battery condition, age, cycles and ambient temperature. Maximum of two external battery packs per UPS.

## PLUG/INLET TABLE

			
NEMA L5-20P 110-125 VAC/20A	NEMA L5-30P 110-125 VAC/30A	NEMA L6-20P 200-240 VAC/20A	NEMA L6-30P 200-240 VAC/30A
			
NEMA 5-15P	NEMA 5-20P		

## POWER RECEPTACLE/OUTLET TABLE

		
NEMA 5-20R 120 VAC/20A	IEC C13 UL: 120/208VAC/15A CE: 208VAC/10A	IEC C19 UL: 120/208VAC/20A CE: 208VAC/16A

## ACCESSORIES



### Extended Runtime Battery Pack

Increase the on-battery runtime for UPS systems by adding additional external battery packs to the UPS. See the Battery Runtime table above for details. Each battery pack matches specific UPS models. Battery Packs use 2U of rack-mount space and should be placed adjacent to the supported UPS.

Part Number	Description	Shipping Weight lb (kg)
VXBP1	Use with VL1500x/VL2000x UPS; 2U; 18.9"D (481 mm); Black	75 (33.3)
VXBP2	Use with VL2000x/VL3000x UPS; 2U; 23.6"D (600 mm); Black	105 (46.4)
VXBP3	Use with VL5000x UPS; 2U; 23.6"D (600 mm); Black	111 (49.3)

Select to match UPS, see Battery Runtime and UPS order table.



### Communications Card

Provide remote monitoring, management and control of the UPS through a network connection from a web browser. Monitor input voltage, output voltage, frequency, temperature, load and capacity. View event, data and battery test logs. Supports RFC1628, SNMPv1/v2/v3 and PCC MIB. Supports TCP/IP, IPv4, IPv6, HTTP, HTTPS, SSL, SSH, SMTP, SNTP, DHCP, Telnet, BOOTP, DNS, DDNS, PPPoE, and RADIUS protocols. Supports an optional external environmental sensor.



Part Number	Description	Shipping Weight lb (kg)
SNMP1	Internal SNMP/WEB Card For VD/VL/LD UPS Models; 10/100 MB; Management and Shutdown of Remote Clients Via LAN; Black	1 (0.5)
SNMP1EXT	Environmental Monitoring Sensor; Attaches to SNMP1 Card; Monitors Temperature, Humidity; Black	1 (0.5)

Order one communications card per UPS.



BDM1A



BDM1B



BDM1C



BDM1D

### Maintenance Bypass Distribution Modules

Manually transfer critical load from UPS power to utility power to prevent power interruption when repairing or replacing the UPS. Provide surge protection on input power.

Part Number	Description	Shipping Weight lb (kg)
BDM1A	1U; Single-Phase; 120V; 15A; 12'L (3.6 m) Input Cord with 5-15P; 5-15R UPS Input; 5-15P UPS Output; (6) 5-15R Outlets Front + (4) 5-15R Outlets Rear; 1.75"H x 19"W x 3.5"D (45 mm x 489 mm x 89 mm); Black	5 (2.2)
BDM1B	1U; Single-Phase; 120V; 20A; 12'L (3.6 m) Input Cord with 5-20P; 5-20R UPS Input; 5-20P UPS Output; (6) 5-20R Outlets Front + (4) 5-20R Outlets Rear; 1.75"H x 19"W x 3.5"D (45 mm x 489 mm x 89 mm); Black	7 (3.1)
BDM1C	1U; Single-Phase; 200-240V; 16A; C20 Inlet; C19 UPS Input; C20 UPS Output; (2) C19 + (4) C13 Outlets Front + (4) C13 Outlets Rear; Includes (2) C20 to (C19) Cord Kits; 1.75"H x 19"W x 3.5"D (45 mm x 483 mm x 89 mm); Black	5 (2.2)
BDM1D	1U; Single-Phase; 120V; 30A; 6'L (1.8 m) Input Cord with L5-30P; L5-30R UPS Input; L5-30P UPS Output; (5) 5-20R Outlets Front + (5) 5-20R Outlets Rear; 1.75"H x 19"W x 3.5"D (45 mm x 483 mm x 89 mm); Black	5 (2.2)

Notes: All BDM1x models listed above include surge protection

\*For 120VAC models, maximum spike current is 6500A, energy dissipation is 114J, maximum clamping voltage is 330VAC. For 200-240 VAC models, maximum spike current is 6500A, energy dissipation is 220J, maximum clamping voltage is 330VAC.

## ACCESSORIES



XMERPDU1



XMERPDU2

### Step Down Isolation Transformer Power Distribution Unit

Rack-mount transformer converts 240 VAC or 208 VAC input to 240 VAC, 208 VAC and 120 VAC output to power a mix of equipment.

Part Number	Description	Shipping Weight lb (kg)
XMERPDU1	1500W; 2U; Single-Phase; 208V Input; 120V Output; IEC-C14 Inlet; (16) 5-15R Outlets; 3.5"H x 17.5"W x 15"D (89 mm x 445 mm x 381 mm); Black	48 (21.4)
XMERPDU2	6000W; 2U; Single-Phase; 208V or 240V Input, 208/120V or 240/120V Output; 3'L (1.8 m) Input Cord with L6-30P; (1) L6-30R* and (12) 5-15-20R Outlets; Max. 120V Load is 4 kW; Rear Panel 208/240 Voltage Selection Switch; 3.5"H x 19"W x 18"D (89 mm x 483 mm x 458 mm); Black	150 (67.0)

\*L6-30R output voltage is passed through (not isolated) and the same as input.



UPSRAILKIT4A



UPSRAILKIT2A



UPSSHELFKIT2A



UPSBRKT1

### UPS Mounting Kits

Various mounting kit options for UPS, Extended Runtime Battery Packs and Isolation Transformer PDUs.

Part Number	Description	Shipping Weight lb (kg)
UPSRAILKIT4A	Four-Post Rail Kit for 800VA-3000VA UPS; Min Rail Depth 20" (508 mm); Max Rail Depth 32" (812 mm); Zinc	7 (3.1)
UPSRAILKIT2A	Two-Post Rail Kit for UPS; Rated For 125 lb (56 kg); 3"H x 4"W x 20"D (77 mm x 102 mm x 508 mm); Black	7 (3.1)
UPSSHELFKIT2A	Two-Post Shelf for UPS; Rated For 150 lb (68 kg); 3.5"H x 21.5"W x 23.3"D (89 mm x 547 mm x 592 mm); Black	14 (6.3)
UPSBRKT1	Front Rack-mount Bracket for 800VA-3000VA UPS; For Two-Post and Four-Post Racks, Black	2 (0.9)

Note: UPS and Battery Packs include Front Rackmount Bracket (P/N UPSBRKT1).

## ACCESSORIES

**Extended Warranty**

Extend the standard 3-year warranty to 5 years by adding an additional 2 years of coverage. Extended warranty includes coverage of electronics and internal batteries on UPS and advanced replace with ground shipping both ways.

Contact CPI Customer Service, or visit [chatsworth.com/warranty](https://chatsworth.com/warranty) for more information.

Part Number	Description
2YEXTWAR-UPSVL1	Five-Year Warranty for VL800x - VL1500x Single-Phase UPS
2YEXTWAR-UPSVL2	Five-Year Warranty for VL2000x - VL3000x Single-Phase UPS
2YEXTWAR-UPSVL3	Five-Year Warranty for VL5000x Single-Phase UPS
2YEXTWAR-BP1	Five-Year Warranty for VXPB1 or VXPB2 Extended Runtime Battery Pack

**CHATSWORTH PRODUCTS**

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