

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

# Lead Acid Online UPS, 5000VA-10,000VA



UPS installed in CPI Four-Post Rack System



**Double-Conversion Online**—Provides the most robust power protection against blackouts, brownouts, voltage surges, frequency variation and harmonic distortion



**Unity output power factor**—provide more real capacity for high density loads



**Efficient operation**—up to 98% ECO mode efficiency lowers energy consumption



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



**Multiple communications capability**—RS-232, USB, and optional Web/SNMP communications card



**Maintenance bypass**—optional bypass 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



**Isolation transformer**—optional transformer provides 240/120 or 208/120V output

## ADDITIONAL FEATURES:

- Available models: 5kVA/5kW, 6kVA/6kW, 10kVA/10kW
- Tower, wall, two-post, and four-post rack mounting configurations
- UL 1778, cUL, FCC, RoHS, CE, TAA compliant
- 3 years electronics, 3 years battery warranty (USA and Canada)

## SPECIFICATIONS:

Description:	Double-conversion online UPS with lead acid battery
Use:	For indoor use in environmentally controlled areas or within environmental enclosures that maintain Operating Conditions (listed below)
Power Capacity:	• Specific to UPS (see ordering table)
Power Input:	<ul style="list-style-type: none"> <li>• Alternating current, 50/60 Hz autosensing</li> <li>• Voltage, 110-300 VAC depending on load level</li> </ul>
Power Output:	<ul style="list-style-type: none"> <li>• Voltage, supports 208/220/230/240 VAC (208/120 VAC or 240/120 VAC with optional transformer) selectable output Capacities derates to 90% at 208 Volt.</li> <li>• Frequency: 50/60 Hz <math>\pm</math> 4 Hz</li> <li>• Waveform: THD (full load): &lt; 4%</li> <li>• Overload capacity: 110% 10 min; 130% 1 min; &gt;130% 1 sec</li> <li>• Efficiency: Up to 94% online mode or 99% ECO mode</li> </ul>
Physical:	<ul style="list-style-type: none"> <li>• Rack-Mount Spaces: 2U, includes mounting brackets</li> <li>• Dimensions (HxWxD): 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm)</li> <li>• Weight: Specific to UPS                             <ul style="list-style-type: none"> <li>- VD5000x: 33.1 lb (15.0 kg)</li> <li>- VD6000x: 33.1 lb (15.0 kg)</li> <li>- VD10KB: 39.7 lb (18.0 kg)</li> </ul> </li> <li>• Line cord: Hardwired (see ordering table)</li> <li>• Receptacles: Hardwired or use Bypass Distribution Module (see ordering table)</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



**SPECIFICATIONS:**

Battery:	<ul style="list-style-type: none"> <li>• VD5000B and VD6000B includes one VXBP8. VD10KB includes one VXBP9.</li> <li>• Order up to 2 additional similar battery packs for longer runtimes</li> <li>• Battery Chemistry: Sealed, maintenance-free lead acid</li> <li>• UPS Charger current: 1-4A</li> <li>• UPS Nominal/float voltage: 240/273 VDC</li> <li>• VXBP8, 2U external battery:                             <ul style="list-style-type: none"> <li>- Dimensions: 3.5"H x 17.2"W x 27.4"D (89 mm x 437 mm x 696 mm)</li> <li>- Battery quantity and type: (20) 12V 5AH Lead Acid</li> </ul> </li> <li>• VXBP9, 3U external battery:                             <ul style="list-style-type: none"> <li>- Dimensions: 5.2"H x 17.2"W x 27.4"D (132 mm x 437 mm x 696 mm)</li> <li>- Battery quantity and type: (20) 12V 580W Lead Acid</li> </ul> </li> <li>• See battery runtime and order table</li> </ul>
	<ul style="list-style-type: none"> <li>• This UPS has terminal input and output</li> <li>• Add bypass distribution module to provide outlets and manual bypass between utility and UPS conditioned power</li> <li>• Note: When using a 6kVA unit with a L6-30P input connection, the unit will derate to 5kVA.</li> <li>• Model BDM2A (5, 6kVA):                             <ul style="list-style-type: none"> <li>- Input connection: L6-30P with 6' (1.8 m) cord</li> <li>- Output connection: (2) L6-30R + (2) C19 with each breaker</li> </ul> </li> <li>• Model BDM3A (5, 6 or 10kVA):                             <ul style="list-style-type: none"> <li>- Input connection: Terminal blocks</li> <li>- Output connection: Terminal block + (2) L6-30R + (2) C19 with each breaker</li> </ul> </li> <li>• Model BDM3B (5, 6 or 10kVA):                             <ul style="list-style-type: none"> <li>- Input connection: Terminal blocks</li> <li>- Output connection: Terminal block + L6-30R with breaker</li> </ul> </li> <li>• Model BDM3C (5, 6 or 10kVA):                             <ul style="list-style-type: none"> <li>- Input Connection: Terminal blocks</li> <li>- Output connection: (2) L6-30R each with breaker</li> </ul> </li> </ul>
Bypass Distribution Module:	
Operating Conditions:	<ul style="list-style-type: none"> <li>• Temperature: 32-104°F (0-40°C)</li> <li>• Audible noise: Specific to UPS                             <ul style="list-style-type: none"> <li>- 5000/6000VA: &lt; 55 dBA</li> <li>- 10000VA: &lt; 58 dBA</li> </ul> </li> <li>• Elevation: 0-11,500' above sea level</li> </ul>
Approvals	• UL 1778, cUL, FCC, RoHS, CE, TAA compliant
Warranty:	3 years electronics, 3 years battery warranty (USA and Canada)
Communications Interface	RS-232, USB, EPO, intelligent slot for optional card (Web/SNMP)
Included in Box:	ViewPower software, user manual, horizontal brackets, tower pedestals and two sets of 4-post rail kits.



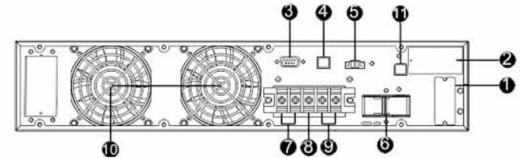
UPS Front View

UPS Rear View with Battery and Bypass Distribution Module attached:

UPS: VD10KB (rear view)



Rear Panel / Terminal Block :



1. External battery connector
2. Intelligent slot
3. RS-232 communication port
4. USB communication port
5. Emergency power off function connector (EPO connector)
6. Input circuit breaker
7. Output terminals
8. Ground
9. Input Terminals
10. Cooling Fan
11. External maintenance bypass switch port

## ORDERING INFORMATION



Lead Acid Online UPS								
Part Number	Capacity VA	Capacity W	Input Plug*	Output Receptacles	Runtime 100% load	Runtime 50% load	External Battery Option	Bypass Module Options
200-240 Volt*								
VD5000B	5000	5000	Terminal Block	Terminal Block	7	21	VXBP8	BDM2A, BDM3A, BDM3B, BDM3C
VD6000B	6000	6000	Terminal Block	Terminal Block	5	15	VXBP8	BDM3A, BDM3B, BDM3C
VD10KB	10000	10000	Terminal Block	Terminal Block	2	7	VXBP9	BDM3A, BDM3B, BDM3C

Notes: Part numbers above include one Battery Pack. Order additional Extended battery packs and Maintenance Bypass module separately.

\*Voltage input: 110-300 VAC (depending on load level)

\*Voltage output: 208/220/230/240 selectable output. Capacity derates to 90% at 208 VAC output.

## Battery Runtimes:

Battery Runtimes - Based on Load											
Battery P/N	Qty	1 kW	2 kW	3 kW	4 kW	5 kW	6 kW	7 kW	8 kW	9 kW	10kW
VXBP8	1	53	27	15	11	7	5	4	4	3	2
	2	117	61	38	27	20	15	13	11	9	7
	3	171	100	62	43	33	27	22	18	15	13
VXBP9	1	92	46	29	20	15	12	10	8	7	6
	2	182	106	66	47	36	29	24	20	18	15
	3	287	151	107	76	58	47	39	33	29	25

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

## ACCESSORIES



### Extended Runtime Battery Pack

Provide on-battery runtime for UPS systems by adding additional external battery packs to the UPS. See the Battery Runtime table above for details. Battery Packs use 2U or 3U of rack-mount space and should be placed adjacent to the supported UPS.

Part Number	Description	Shipping Weight lb (kg)
VXBP8	Use with VD5000x/VD6000x/VD10kx UPS; 2U; 27.4"D (696 mm); Black	130 (58)
VXBP9	Use with VD5000x/VD6000x/VD10kx UPS; 3U; 27.4"D (696 mm); Black	181 (80.8)

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, SNMP, DHCP, Telnet, BOOTP, DNS, DDNS, PPPoE, and RADUS 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 o 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.



### Maintenance Bypass Distribution Modules

Manually transfer critical load from UPS power to utility power to prevent power interruption when repairing or replacing the UPS.

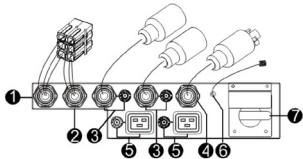


BDM2A

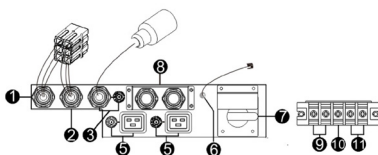


BDM3A

### Product Overview:



1. Socket to UPS output
2. Socket to UPS input
3. Output cable and circuit breaker
4. AC input
5. Output receptacle and circuit breaker
6. RJ45 (for connecting UPS EMBS)
7. Bypass switch
8. Terminal Block Cover
9. Output terminal
10. Earth terminal
11. AC input terminal



Part Number	Description	Shipping Weight lb (kg)
BDM2A	For VD5000B/VD6000B UPS; L6-30P Input; (2) L6-30R + (2) C19 Outlets; 3.5"H x 14.6"W x 5"D (89 mm x 371 mm x 127 mm); Black	10 (4.5)
BDM3A	For VD5000B/VD6000B/VD10KB UPS; Terminal Block Input; Terminal Block + (2) L6-30R + (2) C19 Outlets; 3.5"H x 14.6"W x 5"D (89 mm x 371 mm x 127 mm); Black	10 (4.5)
BDM3B	For VD5000B/VD6000B/VD10KB UPS; Terminal Block Input; Terminal Block + (1) L6-30R + (2) C19 Outlets; 3.5"H x 14.6"W x 5"D (89 mm x 371 mm x 127 mm); Black	10 (4.5)
BDM3C	For VD5000B/VD6000B/VD10KB UPS; Terminal Block Input; (2) L6-30R Outlets; 3.5"H x 14.6"W x 5"D (89 mm x 371 mm x 127 mm); Black	11 (4.9)

Note: Mounts to rear of battery pack or in the rear of the rack.

## ACCESSORIES



XMERPDU2



XMERPDU3



XMERPDU4

### 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)
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)
XMERPDU3	6000W; 3U; Single-Phase; 208V to 240/120V or 240V to 240/120V; Input Terminal Block; Output Terminal Block + (2) L14-30R and (8) 5-15/20R Outlets; 5.2"H x 17.3"W x 31.8"D (133 mm x 445 mm x 808 mm); Black	156 (69.6)
XMERPDU4	10kVA; 3U; Single-Phase; 208V to 240/120V or 240V to 240/120V; Input Terminal Block; Output Terminal Block + (2) L14-30R and (8) 5-15/20R Outlets; 5.2"H x 17.3"W x 31.8"D (133 mm x 445 mm x 808 mm); Black	216 (96.4)

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



UPSRAILKIT4B  
(2 sets included with VD5000B/  
VD6000B/VD10KB)



UPSRAILKIT2A



UPSSHELFKIT2A

### UPS Mounting Kits

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

Part Number	Description	Shipping Weight lb (kg)
UPSRAILKIT4B	Four-Post Rail Kit for 5-10kVA UPS, Battery Packs and Transformer PDUs; 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)

## 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-UPSVD3	Five-Year Warranty for VD5000x/VD6000x/VD10Kx Single-Phase UPS
2YEXTWAR-BP3	Five-Year Warranty for VXB8 or VXB9 Extended Runtime Battery Pack

**Start-Up Service**

Onsite review of initial installation and system configuration of the UPS system. Scheduled visit during standard work week (5x8). Does not include physical installation or electrical connections.

Part Number	Description
STARTUPUPSVD1	UPS Start-Up Service, 5x8, For First VD5000x, VD6000x or VD10Kx Single-Phase UPS
STARTUPUPSVD2	UPS Start-Up Service, 5x8, For Additional VD5000x, VD6000x or VD10Kx Single-Phase UPS, Performed Along With First Unit

Order one Start-Up Service per UPS.

**Preventative Maintenance Service**

Onsite preventative maintenance of UPS and batteries. Scheduled visit during standard work week (5x8). Does not include physical installation or electrical connections.

Part Number	Description
PMUPSVD1	UPS Preventative Maintenance Service, One Visit For First VD5000x, VD6000x or VD10Kx Single-Phase UPS
PMUPSVD2	UPS Preventative Maintenance Service; One Visit For Additional VD5000x, VD6000x or VD10Kx Single-Phase UPS, Performed Along With First Unit

Order one Preventative Maintenance Service per UPS. Covers one visit

**Onsite Services**

Onsite UPS maintenance service coverage including start-up and corrective maintenance of electronics. Scheduled visit during standard work week (5x8). Does not include physical installation or electrical connections.

Part Number	Description
3YRONSITE-UPSVD1	UPS Onsite Services; Three Year 5x8 Service Plan for VD5000x, VD6000x, or VD10Kx Single-Phase UPS; Includes Onsite Start-Up and Onsite Corrective Maintenance of Electronics.
5YRONSITE-UPSVD2	UPS Onsite Services; Five Year 5x8 Service Plan for VD5000x, VD6000x, or VD10Kx Single-Phase UPS; Includes Onsite Start-Up and Onsite Corrective Maintenance of Electronics.
5YRONSITE-BP2	UPS Onsite Service; Five Year 5x8 Service Plan for VXB8 or VXB9 Single-Phase Extended Runtime Battery Pack; Includes Onsite Start-Up and Onsite Corrective Maintenance of Battery Pack, To Be Purchased With 5YRONSITE-UPSVD1

For a complete list of eConnect PDU models, visit [chatsworth.com/power](https://chatsworth.com/power)



CHATSWORTH PRODUCTS

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