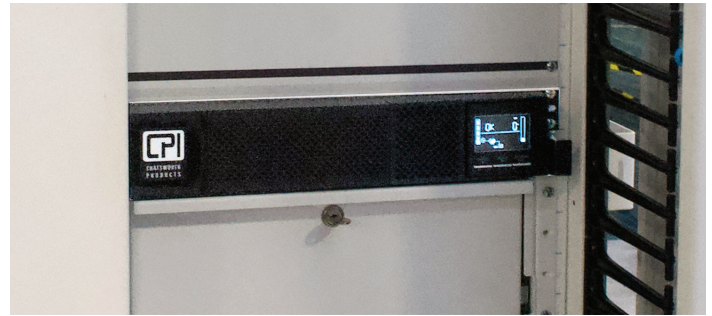


Lithium Ion Online UPS, 1500VA–3000VA

Lithium Ion Uninterruptible Power Supplies (UPS) provide more than twice the life, higher temperature tolerance, longer runtime, and faster recharge when compared to typical lead-acid battery solutions. **Double-Conversion Online** technology makes this UPS ideal for protection of network, server, edge, light industrial and distributed IT applications.



UPS installed in CPI Four-Post Rack System



6-Year Full Warranty—industry-leading coverage for both Lithium Ion batteries and UPS electronics.



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



Longer Runtimes—Internal runtimes up to 5 times longer than lead-acid UPS



Longer Lifespan—Up to 2000 full discharge cycles. Up to 10 times more than lead-acid UPS



Quick Recharge—90 minutes to 90% full charge with powerful 8 Amp charger



Lower Weight—25% less heavy than typical lead-acid UPS



Battery Management System—insures cell voltage balancing, current sharing and protection for over-charge and over-discharge



Maintenance Bypass—optional bypass distribution module enables the UPS to be replaced or serviced without power interruption

ADDITIONAL FEATURES:

- Available models: 1500VA/1350W, 2000VA/1800W, 3000VA/2700W
- Tower, two-post, and four-post rack mounting configurations
- UL, cUL, RoHS, FCC A, UN38.3 for battery transportation
- Hot swappable internal lithium ion battery pack

SPECIFICATIONS:

Description:	Double-conversion online UPS with lithium iron phosphate battery
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"> • Specific to UPS (see ordering table)
Power Input:	<ul style="list-style-type: none"> • Alternating current, 50/60 Hz autosensing • Voltage, varies per model (see ordering table) • 120 Volt models support 55-150 VAC input depending on load level • 200-240 Volt models support 110-330 VAC input depending on load level
Power Output:	<ul style="list-style-type: none"> • Voltage, varies per model (see ordering table) • 120 Volt models support 100/110/115/120/127 VAC selectable output • 200-240 Volt models support 200/208/220/230/240 VAC selectable output • Waveform: Pure sine wave: <=2% THD (linear load), <=4% THD (non-linear load) • Frequency: 50/60 Hz ± 0.1 Hz • Efficiency: Up to 98% efficiency • Overload Capacity: Online mode: >110% & ≤ 130% for 5 min; >130% & ≤140% for 30 sec; >140% for 1.5 sec

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

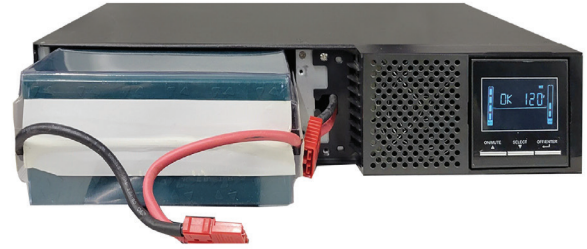


SPECIFICATIONS:

Battery:	<ul style="list-style-type: none"> • Cell type: Lithium Iron Phosphate, LFP26650 2600 mAh • Cell configuration: Specific to UPS <ul style="list-style-type: none"> - LD1500x: (1) 15S2P - LD2000x: (2) 15S2P - LD3000x: (3) 24S1P • Charger Voltage: Specific to UPS <ul style="list-style-type: none"> - LD1500x: 52.2 VDC - LD2000x: 52.2 VDC - LD3000x: 84.0 VDC • Charger current: 1/2/4/6/8 Amp (4 Amp default), adjustable through LCD • Recharge Time: 1.5 hours to 90% charge
Physical:	<ul style="list-style-type: none"> • Rack-Mount Spaces: 2U, includes mounting brackets • Dimensions: Specific to UPS <ul style="list-style-type: none"> - LD1500x: 3.5"H x 17.2"W x 15.1"D (89 mm x 437 mm x 384 mm) - LD2000x: 3.5"H x 17.2"W x 19.0"D (89 mm x 437 mm x 482 mm) - LD3000x: 3.5"H x 17.2"W x 23.8"D (89 mm x 437 mm x 605 mm) - Add 1" (25.4 mm) to front for bezel. Bezel extends in front of the equipment mounting rails. • Weight: Specific to UPS <ul style="list-style-type: none"> - LD1500x: 25.6 lb (11.5 kg) - LD2000x: 33.5 lb (15.2 kg) - LD3000x: 45.2 lb (20.5 kg) • Line cord: Specific to UPS (see ordering table) • Receptacles: Specific to UPS (see ordering table)
Operating Conditions:	<ul style="list-style-type: none"> • Temperature: 32-104°F (0-40°C) • Elevation: 0-11,500' above sea level
Approvals	<ul style="list-style-type: none"> • 120 Volt models: UL, cUL, RoHS, FCC Class A and TAA Compliant, battery pack comply to UL1973, UN38.3 for battery transport • 200-240 Volt models: CE, RoHS and TAA Compliant, battery packs comply to UL1973, UN38.3 for battery transportation
Warranty:	6 years electronics, 6 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

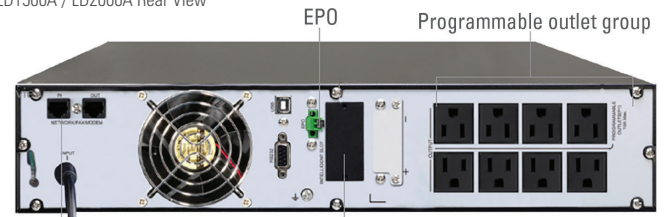


UPS Front View



Hot Swappable Battery

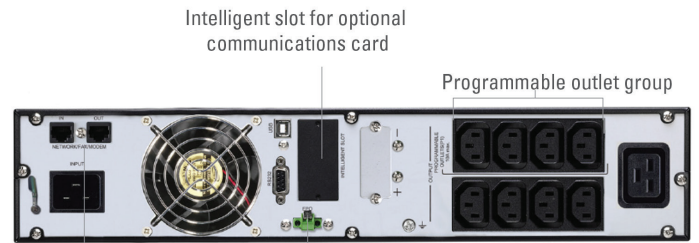
LD1500A / LD2000A Rear View



Surge protection for RJ45

Intelligent slot for optional communication cards

LD3000B Rear View



Surge protection

EPO

ORDERING INFORMATION



Lithium Ion Online UPS							
Part Number	Capacity VA	Capacity W	Input Plug*	Output Receptacles	Runtime 100% load	Runtime 50% load	Bypass Distribution Module Compatibility
120 Volt**							
LD1500A	1500	1350	5-15P	(8) 5-15R	8	19	BDM1A
LD2000A	2000	1800	5-20P	(8) 5-20R	14	30	BDM1B
LD3000A	3000	2700	L5-30P	(1) L5-30P + (6) 5-20R	11	23	BDM1D
200-240 Volt*							
LD1500B	1500	1350	C14 Inlet to L6-20P	(8) C13	8	19	BDM1C
LD2000B	2000	1800	C20 Inlet to L6-20P	(8) C13	14	30	BDM1C
LD3000B	3000	2700	C20 Inlet to L6-20P	(1) C19+ (8) C13	11	23	BDM1C

**Voltage input: 55-150 VAC (depending on load level)

**Voltage output: 100/110/115/120/127 VAC selectable. Derate capacity to 80% when output voltage is adjusted to 100 VAC.

**Line cord is 6' (1.8 m) long.

*Voltage input 110-330 VAC (depending on load level)

*Voltage output: 200/208/220/230/240 VAC selectable. Derate capacity to 80% when output voltage is adjusted to 200 or 208 VAC.

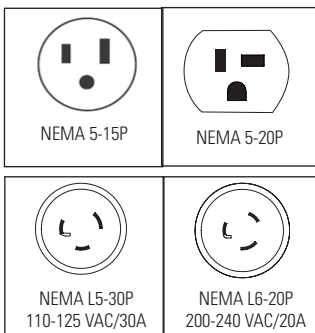
*Line cord is 8' (2.4 m) long.

Battery Runtimes:

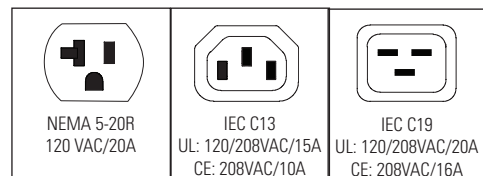
Estimated Runtimes on Internal Batteries (mins)										
Percentage Load	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
LD1500X	111	54	34	25	19	16	13	11	9	8
LD2000X	163	79	51	38	30	24	21	18	16	14
LD3000X	127	62	40	29	23	19	16	14	12	11

Runtimes are shown in minutes and will vary based on battery condition, age, cycles and ambient temperature.

PLUG/INLET TABLE



POWER RECEPTACLE/OUTLET TABLE



ACCESSORIES



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 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 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:

*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.



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)

ACCESSORIES



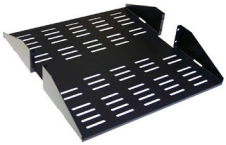
UPSRAILKIT4A

UPS Mounting Kits

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



UPSRAILKIT2A



UPSSHELFKIT2A



UPSBRKT1

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).

For a complete list of eConnect PDU models, visit chatsworth.com/power



CHATSWORTH PRODUCTS

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