



CHATSWORTH
PRODUCTS

Lead Acid Online UPS, 5kVA–8kVA, 3-Phase

Modular, flexible entry-level three-phase power solution providing continuous power availability and high-efficiency for critical server, network and branch office applications

KEY FEATURES

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

Integral Maintenance Bypass— Simplifies UPS repair or replacement and reduces costly downtime without any need for external component connections.

Efficient operation— Best in class energy efficiency provides low energy consumption and heat output.

Unity output power factor— Provide more real capacity for high-density loads.

Optional receptacle panel— Configure with L21-20R or L21-30R output receptacles. Optional input cord set simplifies field installation.

Multiple output voltages – 208V and 120V output without the need for any additional isolation transformers.

3-phase input and output – Helps balance loads across all incoming phases into the facility.



SPECIFICATIONS

Description:	Double-conversion online UPS with lead acid battery; 3-phase
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"> • 120/208V, 50/60Hz auto-sensing (3PH+N+G) • 152-269VAC* (L-L) / 40–70Hz • Input connection: Terminal Block or Input Line cord
Power Output:	<ul style="list-style-type: none"> • Voltage, supports 120/208V, 50/60Hz ± 0.1Hz; (3PH+N) • THD (full load) ≤2% (Linear load); ≤3% (Non-linear load) • Overload Efficiency: Up to 98% ECO mode, 93% online mode • Overload Capacity: 100% - 110% for 30 min; 110% - 130% for 5min; 130% - 150% for 10s; > 150% for 200ms • Output connections: Terminal Block or Output Receptacle Panel
Physical:	<ul style="list-style-type: none"> • Rack-Mount Spaces: 6U; Includes rack-mounting brackets (Optional Tower conversion Kit) • System Enclosure : 17.3"W x 31.5"D x 10.5"H / 34 lbs • Power Module: 16.3"W x 24"D x 5.2"H / 38 lbs • Battery Module: 16.3"W x 24"D x 5.2"H / 107 lbs
Battery:	<ul style="list-style-type: none"> • Nominal Voltage; +/-96Vdc or +/-120Vdc (+/-96Vdc default) • UPS Charger current: 1-4A
Operating Conditions:	<ul style="list-style-type: none"> • Temperature: 0–40°C (32–104°F) • Audible noise: < 58dBA at 1m • 5,200 ft above sea level
Approvals:	• cTUVusa listed to UL-1178, FCC A, RoHS, TAA compliant
Warranty:	2 years (Electronics & Batteries) warranty (USA and Canada)
Communications Interface:	RS-232, USB, EPO, intelligent slot for optional cards (Web/SNMP, Relay, Modbus)
Included in Box:	ViewPower software, user manual, USB Cable, R2-232 cable, mounting brackets

Availability: US & Canada only



United States & Canada
Simi Valley, CA
800-834-4969
Toronto, Ontario, Canada
+905-850-7770
chatsworth.com
techsupport@chatsworth.com

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

Europe
Buckinghamshire
England, UK
+44-1628-524-834

Middle East & Africa
Dubai, UAE
+971-4-2602125
Doha, Qatar
+974-4-267422

Asia Pacific
Jing'an District,
Shanghai, China
+86 21 6880-0266
chatsworth.com.cn

ORDERING INFORMATION



Lead Acid Online UPS							
Part Number	Capacity VA	Capacity W	Input Plug	Output Receptacles	SNMP/Web Card Included	Runtime 100% load	Runtime 50% load
120/208V							
VD5K3P	5000	5000	Terminal block	Terminal blocks	No	12	30
VD8K3P	8000	8000	Terminal block	Terminal blocks	No	6	15
VD5K3P-1	5000	5000	L21-20P	L21-20R	Yes	12	30
VD8K3P-1	8000	8000	L21-30P	L21-30R	Yes	6	15

Notes: Part numbers include a battery pack.

Rear View:

Optional Receptacle Panel

Input Breaker



Maintenance Bypass

Output Breaker



Modular Design

Back plane connector for ease of installation and maintenance of UPS and Battery modules

Battery Runtimes:

Battery Runtimes - Based on Load								
Part Number	1 kW	2 kW	3 kW	4 kW	5 kW	6 kW	7 kW	8 kW
VD5K3P/VD5K3P-1	85	38	22	15	12	-	-	-
VD8K3P/VD8K3P-1	85	38	22	15	12	9	7	6

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

ACCESSORIES



Receptacle Panels

Optional Receptacle panels on the rear of the units reduces installation costs and simplifies plugging in of compatible cored Rack Power distribution units. Included within VD5K3P-1 and VD8K3P-1.

Part Number	Description	Shipping Weight lb (kg)
UPSRPANELVD5K3PH1	(1) L21-20R and (1) 20A Breaker	2 (0.9)
UPSRPANELVD8K3PH1	(1) L21-30R and (1) 30A Breaker	2 (0.9)



Power Distribution Units

Use Vertical eConnect® PDUs in data centers and equipment rooms with 42U or higher racks, cabinets and enclosures to provide power connections alongside equipment for higher density applications.

Compatible with:	Part Number	Description
VD5K3P-1	E0-1013-C	Basic eConnect, L21-20 Input, (30) C13 + (6) C19 + (6) 5-20 outlets
	EA-3013-C	Monitored eConnect, L21-20 Input, (30) C13 +(6) C19 +(1) 6 5-20 outlets
	EA-6025-C	Switched Pro eConnect, L21-20 Input, (18) C13 + (6) C19 switchable outlets + (3) 5-20 convenience outlets
VD8K3P-1	E0-1014-C	Basic eConnect, L21-30 Input, (30) C13 + (6) C19 + (6) 5-20 outlets
	EA-3014-C	Monitored eConnect, L21-20 Input, (30) C13 +(6) C19 +(6) 5-20 outlets
	EA-6026-C	Switched Pro eConnect, L21-30 Input, (18) C13 + (6) C19 switchable outlets + (3) 5-20 convenience outlets



Input Cords

Optional input cords with locking plugs makes the units plug and play. Included within VD5K3P-1 and VD8K3P-1.

Part Number	Description	Shipping Weight lb (kg)
UPSINPUTL21-20	Input Cord with L21-20P, 8'L	2 (0.9)
UPSINPUTL21-30	Input Cord with L21-30P, 8'L	2 (0.9)

ACCESSORIES

Communication Cards

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.



SNMP2



SNMP2EXT



MODBUS1



RELAY1

UPS Mounting Kits

Mounting kit options for UPS.



UPSCASTERBASE1



UPSRAILKIT4C

Part Number	Description	Shipping Weight lb (kg)
SNMP2	Two port internal SNMP/Web Card; Included with VD5K3P-1 and VD8K3P-1	2 (0.9)
SNMP2EXT	Temperature and Humidity Probe, requires SNMP2	2 (0.9)
MODBUS1	MODBUS (RTU) Protocol Card	2 (0.9)
RELAY1	Relay Card with 10 port relay connector	2 (0.9)
UPSRAILKIT4C	4-Post Mounting Kit; included within all configurations	7 (3.1)
UPSCASTERBASE1	Tower Conversion Kit with Caster Base	7 (3.1)

SERVICES

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.

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.

Onsite Services

Onsite UPS maintenance service coverage including corrective maintenance of electronics and batteries. Requires start-up service to be purchased separately. Scheduled visit during standard work week (5x8).

Extended Warranty

Extend the standard 2-year warranty to 5 years by adding an additional 3 years of coverage. Extended warranty includes coverage of electronic and internal batteries on UPS and advanced replacement with ground shipping both ways. Contact CPI Customer Service, or visit [chatsworth.com/warranty](https://www.chatsworth.com/warranty) for more information.



Part Number*	Description*
STARTUPUPSVD3	UPS Start-Up Service, 5x8, For VD5K3P and VD8K3P, 3-Phase UPS, First Unit
STARTUPUPSVD4	UPS Start-Up Service, 5x8, For VD5k3P and VD8k3P, 3-Phase UPS, Additional Units
Preventive Maintenance**	
PMUPSVD3	Preventive Maintenance Service 5x8 For VD5K3P and VD8K3P, First Unit
PMUPSVD4	Preventive Maintenance Service 5x8 For VD5K3P and VD8K3P, Additional Units
Onsite Services	
1YRONSITE-UPSVD3PH1	One Year 5x8 Service Plan for VD5K3P & VD8K3P configurations. Includes Onsite corrective maintenance of electronics & batteries. Requires separate purchase of Start-up service
3YRONSITE-UPSVD3PH1	Three Year 5x8 Service Plan for VD5K3P & VD8K3P configurations. Includes Onsite corrective maintenance of electronics & batteries. Requires separate purchase of Start-up service
5YRONSITE-UPSVD5PH1	Five Year 5x8 Service Plan for VD5K3P & VD8K3P configurations. Includes Onsite corrective maintenance of electronics & batteries. Requires separate purchase of Start-up service
Extended Warranty	
3YEXTWAR-UPSVD3PH1	Additional Three-Year Warranty for VD5K3P and VD8K3P, 3-Phase UPS

*Order one Start-Up Service per UPS.

**Order one Preventative Maintenance Service per UPS. Covers one visit.

[chatsworth.com](https://www.chatsworth.com)

techsupport@chatsworth.com

800-834-4969



CHATSWORTH PRODUCTS

While every effort has been made to ensure the accuracy of all information, CPI does not accept liability for any errors or omissions and reserves the right to change information and descriptions of listed services and products.

©2023 Chatsworth Products, Inc. All rights reserved. Chatsworth Products, Clik-Nut, CPI, CPI Passive Cooling, CUBE-IT, Secure Array, eConnect, Evolution, GlobalFrame, MegaFrame, QuadraRack, RMR, Saf-T-Grip, SeismicFrame, SlimFrame, TeraFrame, Motive, EuroFrame, Oberon, Velocity and ZetaFrame are federally registered trademarks of Chatsworth Products. H-Plane, Hi-Bar, In-Plane, M-Frame, NetPoint, Simply Efficient, Skybar, and Wi-Tile and are trademarks of Chatsworth Products. All other trademarks belong to their respective companies. 12/23 MKTCPI-798