

# Vertiv™ Liebert® GXT5 Lithium-Ion 5-10KVA UPS

## Guide to Output Power Distribution – North America



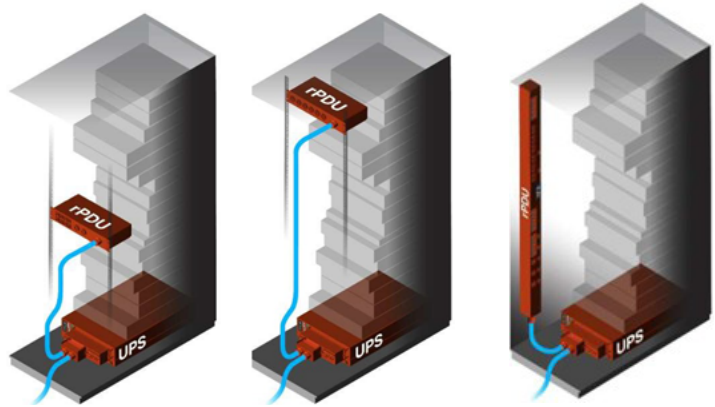
### Overview

The Vertiv™ Liebert® GXT5 Lithium-Ion 6kVA double conversion online UPS provides the highest level of power conditioning and battery backup in a high power-density rack mounted UPS.

This high-density design allows for more power capacity and runtime in less rack space however it does require that we change how we think about power distribution.

**Vertiv Liebert GXT5 Lithium-Ion UPS models 6kVA and above are hardwire input and output only.**

Vertiv Liebert GXT5 Lithium-Ion models typically use rPDUs to connect loads. This approach saves rack space and reduces excess cabling within the rack.



### High power density in a compact form factor

rPDUs (Rack Power Distribution Units) are designed to be mounted in the rear of a four-post rack, either horizontally or vertically, behind existing equipment. This allows for flexible power distribution that occupies no additional rack-space. In a two-post rack they would be flush mounted.

rPDUs used with Vertiv Liebert GXT5LI 5kVA models can be plugged directly into the UPS. Vertiv Liebert GXT5LI 6-10kVA models are hardwired in and out. The hardwired rPDUs can then be installed into either the same rack as the UPS or an adjacent rack. This minimizes excess cabling while providing great flexibility.

### Vertiv™ Liebert® GXT5 Lithium-Ion UPS

**MV Models:** 208V/120V or 240V/120V 4 Wire Input / Output – L1, L2, N, G

**GV Models:** 200-240V Global Voltage 3 Wire Input/Output – L1, L2, G or L1, N, G

**HV Model:** 208V or 240V 3 Wire Input/Output – L1, L2, G



Vertiv™ Liebert® GXT5 Lithium-Ion UPS

SKU	Power Rating	Input	Output
<b>MV Models 208V/120V, 240V/120V</b>			
GXT5LI-5000MVRT3UXLN	5000VA / 5000W	NEMA L14-30P	(Qty 2) NEMA L14-30P
GXT5LI-6000MVRT3UXLN	6000VA / 6000W	Hardwired	Hardwired
GXT5LI-8000MVRT4UXLN	8000VA / 8000W	Hardwired	Hardwired
GXT5LI-10KMVRT4UXLN	10000VA / 10000W	Hardwired	Hardwired
<b>GV Models 200V-240V</b>			
GXT5LI-6000GVRT3UXLN	6000VA / 6000W	Hardwired	Hardwired
GXT5LI-8000GVRT3UXLN	8000VA / 8000W	Hardwired	Hardwired
GXT5LI-10KGVRT3UXLN	10000VA / 10000W	Hardwired	Hardwired
<b>HV Model 208V or 240V</b>			
GXT5LI-5KL630RT3UXLN	5000VA / 4900W	NEMA L6-30P	(Qty 2) NEMA L6-30P

# Output Power Distribution for Vertiv™ Liebert® GXT5LI 5kVA

## L6-30 or L14-30 Input/Output UPS

For use with Vertiv™ Liebert® GXT5LI-5KL630RT3UXLN:

### Horizontal rPDUs

Model	Mounting	Type	Input	Output
VP0N3223	2U	Basic	L6-30P	(4) L6-20R, (2) L6-30R
VP9571A	2U	Basic	L6-30P	(12) IEC C13
VP4N32A0	2U	Monitored	L6-30P	(12) IEC C13, (4) IEC C19
VP5N31A1	2U	Switched	L6-30P	(12) Combo C13/C19

### Vertical rPDUs

VP5N30AU	0U	Switched	L6-30P	(20) Locking IEC C13, (4) Locking IEC C19
VP4N30AQ	0U	Monitored	L6-30P	(36) IEC C13, (6) IEC C19
VP7N30AU	0U	Switched	L6-30P	(20) Locking IEC C13, (4) Locking IEC C19
VP7N30AP	0U	Switched	L6-30P	(24) Combo C13/C19
VP7541	0U	Basic	L6-30P	(20) IEC C13, (4) IEC C19
VP5N30AP	0U	Switched	L6-30P	(24) Combo C13/C19
VP7N30AN	0U	Switched	L6-30P	(30) Locking IEC C13, (6) Locking IEC C19
VP4N30AM	0U	Monitored	L6-30P	(36) Combo C13/C19

For use with Vertiv Liebert GXT5LI-5000MVRT3UXLN:

### Horizontal rPDUs

Model	Mounting	Type	Input	Output
VP0N3202	2U	Basic	L14-30P	(2) L6-30R, (8) 5-15/20R
VP0N3242	2U	Basic	L14-30P	(4) L6-20R, (4) 5-15/20R
VP0N3100	1U	Basic	L14-30P	(12) Combo C13/C19, (4) NEMA 5-20R

### Vertical rPDUs

I10401	0U	Basic	L14-30P	(20) IEC C13, (4) IEC C19, (12) NEMA 5-20R
I10405	0U	Metered	L14-30P	(20) IEC C13, (4) IEC C19, (12) NEMA 5-20R
VP4N30AH	0U	Monitored	L14-30P	(20) IEC C13, (4) IEC C19, (12) NEMA 5-20R
VP5N30AW	0U	Switched	L14-30P	(24) Combo C13/C19, (12) NEMA 5-20R
VP6N30AW	0U	Monitored	L14-30P	(24) Combo C13/C19, (12) NEMA 5-20R
VP7N30AW	0U	Switched	L14-30P	(24) Combo C13/C19, (12) NEMA 5-20R

All 5kVA GXT5 Lithium-Ion units have a 10' Input Cord



# Output Power Distribution for Vertiv™ Liebert® GXT5LI 6-10kVA

## Hardwire Input/Output UPS

For use with Vertiv™ Liebert® GXT5LI 6-10kVA GV UPS Models:

### Horizontal rPDUs

Model	Form Factor	Type	Input	Output
VP0N6263	2U	Basic	Hardwired (L1, L2, G)	(6) L6-30R
VP0N6242	2U	Basic	Hardwired (L1, L2, G)	(4) L6-20R, (2) L6-30R
VP0G7200	2U	Basic	Hardwired (L1, L2, G)	(8) U-Lock C19

### Vertical rPDUs

VP4N6013	0U	Monitored	Hardwired (L1, L2, G)	(3) L6-30, (36) Combo C13/C19
----------	----	-----------	-----------------------	-------------------------------

For use with Vertiv Liebert GXT5LI 6-10kVA MV UPS Models:

### Horizontal rPDUs

Model	Form Factor	Type	Input	Output
VP0N6200	2U	Basic	Hardwired (L1, L2, N, G)	(6) L14-30R
VP0N6202	2U	Basic	Hardwired (L1, L2, N, G)	(4) L14-30R, (2) L6-30R
VP0N6222	2U	Basic	Hardwired (L1, L2, N, G)	(2) L6-20R, (2) L6-30R, (4) 5-15/20R
VP0N6281	2U	Basic	Hardwired	(2) L6-30R, (8) 5-15/20R

### Vertical rPDUs

VP4N6003	0U	Monitored	Hardwired (L1, L2, N, G)	(18) C13/C19 Combo Outlets, (12) NEMA 5-20R, (3) NEMA L14-30R
----------	----	-----------	--------------------------	--



Vertiv™ Liebert® GXT5 Lithium-Ion UPS

# UPS Wiring Requirements

## MV Models

Model	Recommended Panel Feeder Breaker	Recommended Wire Size	Maximum Wire Size	Input Breaker	Output Breaker	Bypass Breaker
GXT5LI-5000MVRT3UXLN	30A	N/A	N/A	30A	30A	30A
GXT5LI6000MVRT3UXLN	40A	8 AWG	4 AWG	40A	40A	40A
GXT5LI8000MVRT4UXLN	70A	4 AWG	4 AWG	60A	60A	60A
GXT5LI10KMVRT4UXLN	70A	4 AWG	4 AWG	60A	60A	60A

## HV/GV Models

GXT5LI-5KL630RT3UXLN	30A	N/A	N/A	30A	30A	30A
GXT5LI-6000GVRT3UXLN	50A	8 AWG	4 AWG	50A	50A	50A
GXT5LI-8000GVRT3UXLN	60A	6 AWG	4 AWG	60A	60A	60A
GXT5-10KGVRT3UXLN	70A	4 AWG	4 AWG	70A	70A	70A

For more detailed information please refer to the Installer User Guide for your specific model UPS. These documents and more can be found at [Vertiv.com](http://Vertiv.com)



**Vertiv™ Liebert® GXT5 Lithium-Ion UPS**



# rPDU Basic Specifications

## Horizontal Models

Model	Input	Cord Length	Output Breakers	Physical
VP0N3223	L6-30P	10'	(1) 20A Double Pole Magnetic (1) 30A Double Pole Magnetic	2U - 3.4in x 17in x 8in
VP9571A	L6-30P	10'	(2) 20A Double Pole Magnetic	1U - 1.72in x 17in x 6.50in
VP4N32A0	L6-30P	10'	(2) 20A Double Pole Magnetic	2U - 3.4in x 17in x 9in
VP5N31A1	L6-30P	10'	(2) 20A Double Pole Magnetic	1U - 1.72in x 17in x 12in
VP0N3202	L14-30P	10'	(2) 20A Single Pole Magnetic	2U - 3.4in x 17in x 8in
VP0N3242	L14-30P	10'	(2) 20A Single Pole Magnetic (4) Double Pole Magnetic	2U - 3.4in x 17in x 8in
I10401	L14-30P	10'	(2) 20A Double Pole Magnetic	1U - 1.72in x 17in x 12in
VP0N6263	Hardwired (L1, L2, G)	N/A	(6) 30A Double Pole Magnetic	2U - 3.4in x 17in x 8in
VP0N6242	Hardwired (L1, L2, G)	N/A	(4) 16A Double Pole Magnetic	2U - 3.4in x 17in x 8in
VP0G7200	Hardwired (L1, L2, G)	N/A	(4) 16A Double Pole Magnetic	2U - 3.4in x 17in x 8in
VP0N6200	Hardwired (L1, L2, N, G)	N/A	(6) 30A Double Pole Magnetic	2U - 3.4in x 17in x 8in
VP0N6202	Hardwired (L1, L2, N, G)	N/A	(6) 30A Double Pole Magnetic	2U - 3.4in x 17in x 8in
VP0N6222	Hardwired (L1, L2, N, G)	N/A	(4) 20A Double Pole Magnetic (2) 30A Double Pole Magnetic	2U - 3.4in x 17in x 8in

## Vertical Models

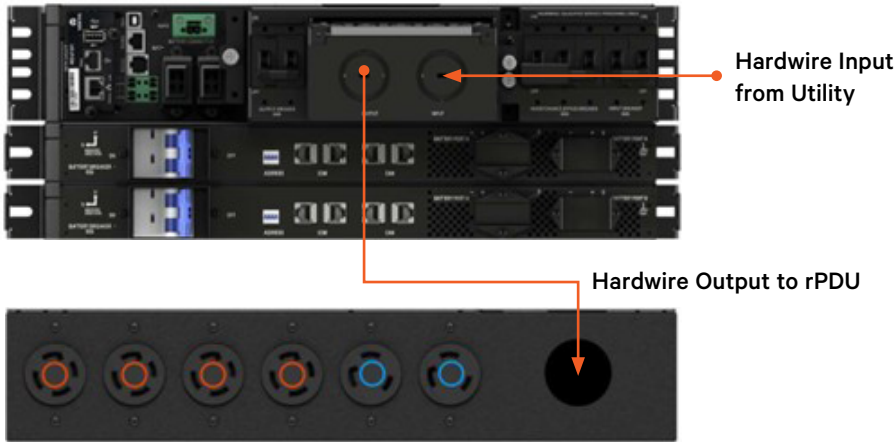
Model	Input	Cord Length	Output Breakers	Physical
VP5N30AU	L6-30P	10'	(2) 20A Double Pole Magnetic	66.25in x 2in x 2.6in
VP4N30AQ	L6-30P	10'	(2) 20A Double Pole Magnetic	70in x 2in x 2in
VP7N30AU	L6-30P	10'	(2) 20A Double Pole Magnetic	66.25in x 2in x 2.6in
VP7N30AP	L6-30P	10'	(2) 20A Double Pole Magnetic	66.25in x 2in x 2.6in
VP7541	L6-30P	10'	(2) 20A Double Pole Magnetic	66.25in x 2in x 2.6in
VP5N30AP	L6-30P	10'	(2) 20A Double Pole Magnetic	66.25in x 2in x 2.6in
VP7N30AN	L6-30P	10'	(2) 20A Double Pole Magnetic	70in x 2in x 2.6in
VP4N30AM	L6-30P	10'	(2) 20A Double Pole Magnetic	66.25in x 2in x 2.6in
I10401	L14-30P	10'	(2) 20A Double Pole Magnetic	70in x 2in x 2.6in
I10405	L14-30P	10'	(2) 20A Double Pole Magnetic	70in x 2in x 2.6in
VP4N30AH	L14-30P	10'	(2) 20A Double Pole Magnetic	70in x 2in x 2.6in
VP5N30AW	L14-30P	10'	(2) 20A Double Pole Magnetic	70in x 2in x 2.6in
VP6N30AW	L14-30P	10'	(2) 20A Double Pole Magnetic	70in x 2in x 2.6in
VP7N30AW	L14-30P	10'	(2) 20A Double Pole Magnetic	72in x 2in x 2.6in
VP4N6013	Hardwired (L1, L2, G)	N/A	(4) 16A Single Pole Magnetic (3) 30A Double Pole Magnetic	66.25in x 2in x 2.6in
VP4N6003	Hardwired (L1, L2, N, G)	N/A	(2) 20A Double Pole Magnetic (3) 30A Double Pole Magnetic	66.25in x 2in x 2.6in

# Vertiv™ Liebert® GXT5 Lithium-Ion Rear Panel

## Vertiv Liebert GXT5 Lithium-Ion 6-10kVA

All Vertiv Liebert GXT5LI 6-10kVA models are hardwire input and hardwire output. They require an electrician for installation.

Vertiv Liebert GXT5LI 6-10kVA UPS

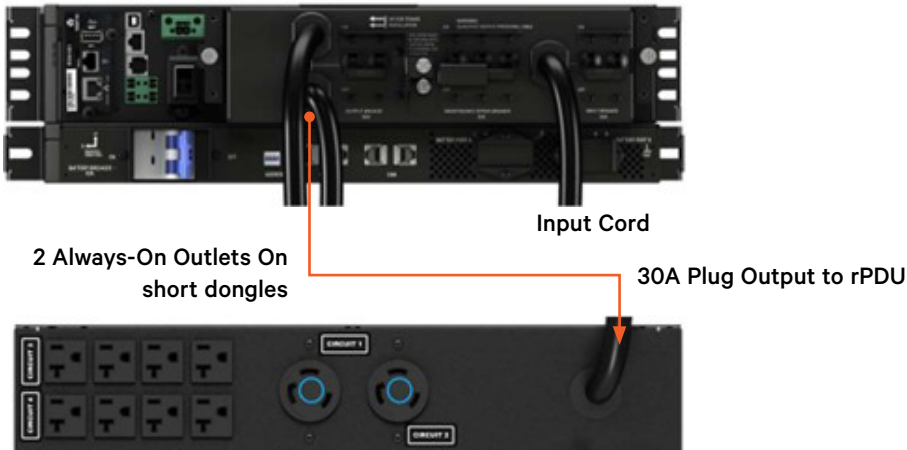


VP0N6202 rPDU

## Vertiv Liebert GXT5 Lithium-Ion 5kVA

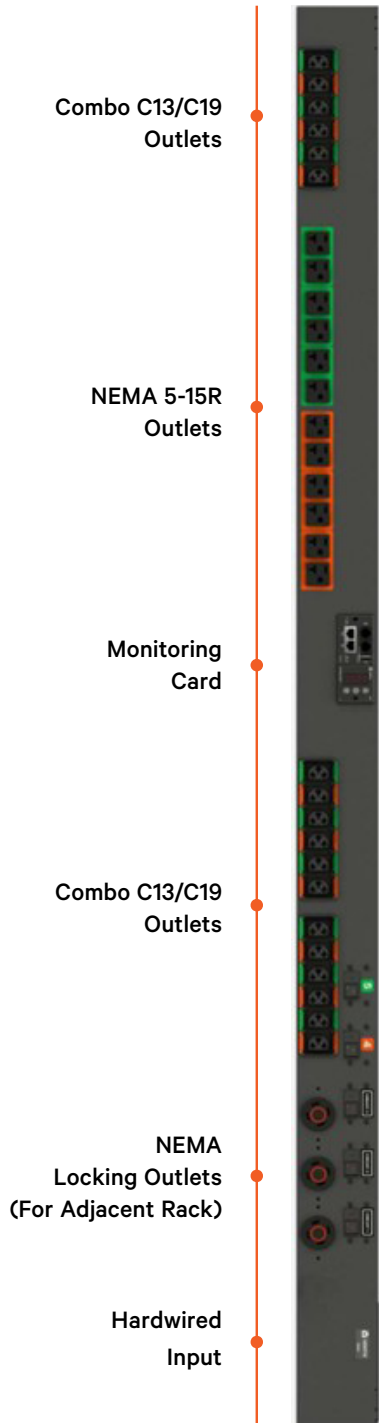
GXT5LI-5KL630RT3UXLN: L6-30P Input, (2) L6-30R Output  
 GXT5LI-5000MVRT3UXLN: L14-30P Input, (2) L14-30R Output

Vertiv Liebert GXT5LI 5kVA UPS



VP0N3202 rPDU

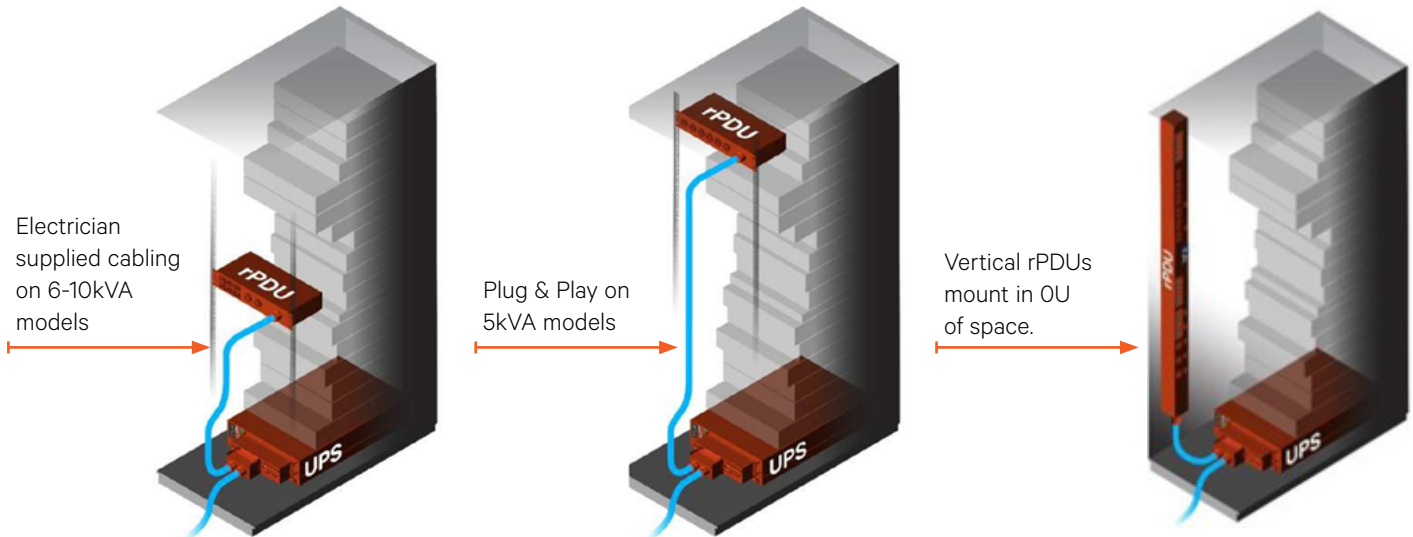
## VP4N6003 Vertical rPDU



Vertiv™ Liebert®  
 VP4N6003 Vertical rPDU



## Flexible Mounting Options



Vertiv™ rPDU Extenders offer flexible mounting options for both 2 and 4 post racks.

Horizontal models can easily be mounted behind existing equipment in the same U space.

For additional rPDU mounting options, refer to the Vertiv Geist™ Rack™ PDU Accessory Brochure.

