

# Vertiv™ Liebert® PSI5 Lithium-Ion 500VA-1500VA Short Depth UPS

Superior power protection for Edge applications, and distributed IT equipment.



## Operational efficiency

At Vertiv, our vision is to enable a more environmentally responsible future by providing critical digital infrastructure that is highly reliable and highly energy and water efficient.

### Checkout the Responsible product features of the Liebert PSI5 Lithium-Ion UPS:

- Lithium-ion batteries require less onsite maintenance, reducing truck rolls and avoiding associated carbon emissions.
- Lithium-ion batteries have a longer life, reducing waste and material consumption.
- Lithium-ion batteries use less material for equal output and up to 99% of the battery elements are recyclable.
- Vertiv uses lithium phosphate battery chemistry. This battery chemistry is the more stable battery chemistry and offers the greater recycling options of all lithium chemistries available.

### Lithium-ion battery technology

Lithium-ion is a game-changing technology when it comes to UPS batteries. When compared to traditional valve-regulated-lead-acid (VRLA) batteries, Lithium-ion batteries have greater power density, last up to 3 times longer, recharge much more quickly, and can endure up to 10x more discharge cycles. With a 5-year standard warranty, more than double the useful life, and significantly more runtime, the Liebert PSI5 Lithium-Ion UPS is at the top of its class.

### Vertiv Liebert PSI5 Lithium-key benefits vs VRLA

- Up to 3x battery life.
- Lowest TCO.
- 5-year standard warranty on UPS and batteries.
- Longer runtime.
- Quicker recharge times.
- Smaller and lighter:
  - Greater power density.
  - Reduced unit depth.
- Up to 10x more discharge cycles.



Note: As compared to valve regulated lead acid (VRLA) batteries.



PSI5-500SRT1ULI



PSI5-1500SRT2UXLI

The Vertiv Liebert PSI5 Lithium-Ion Short-Depth UPS offer delivers high power density in a compact design, providing greater power protection with the smallest footprint in its class. With chassis depths under 12 inches, it's the perfect solution for 2-post and wall-mount racks where space is limited. Available in versatile 1U and 2U rack/tower convertible form factors, it adapts easily to non-standardized or space-constrained environments. Featuring a greater number of programmable outlet segments, the PSI5 Lithium-Ion short-depth UPS gives you enhanced control allowing you to reboot unresponsive devices or shed non-critical loads to extend runtime for essential equipment. The new 1500VA short-depth model supports up to five lithium-ion external battery cabinets for extended back up when longer runtimes are required. Remote monitoring, management and firmware updates are enabled by the Vertiv RDU120 network card. The Liebert PSI5 Lithium-Ion line-interactive UPS is ideal for server rooms, network closets, and other edge or distributed IT applications.

## Lower Total Cost of Ownership (TCO)

The Vertiv™ Liebert® PSI5 Lithium-Ion line-interactive UPSs are ideally suited to protect critical infrastructure in edge or distributed IT applications. The life expectancy of lithium-ion batteries is up to 3x that of VRLA batteries – up to 10 years. That delivers 50% or more in TCO savings vs. VRLA batteries, chiefly because the Vertiv Liebert PSI5 Lithium-Ion requires fewer battery replacements over its lifespan. You save not only on the cost of batteries but on the labor required to replace them – an especially significant issue at remote locations with few or no IT personnel on site. In short, the Vertiv Liebert PSI5 Lithium-Ion UPS is a true low-maintenance, set-it-and-forget-it solution.



Lower TCO



Smaller & lighter



Longer life



Longer runtime



ENERGY STAR



Equipment Protection Plan



Power Assurance Package

## What's in the box

- UPS unit
- USB type A to USB type B cable 1.8 meter (6ft) in length
- Printed quick start guide with safety instructions
- Rack mount ears
- 2-Post rack mounting kit (800-1500VA), flush mount
- Support base for tower configuration
- Input power cord 2.4 meter (8ft)
- Vertiv™ Power Assist Management Software; Free download
- Vertiv™ Power Insight Network Management Software; Free download (Network Management Card Required)

## Technical specifications

	<b>PSI5-500SRT1ULI</b>	<b>PSI5-800SRT2ULI</b>	<b>PSI5-1100SRT2ULI</b>	<b>PSI5-1500SRT2UXLI</b>
<b>Models with RDU120 Network Card</b>	PSI5-500SRT1ULIN	PSI5-800SRT2ULIN	PSI5-1100SRT2ULIN	PSI5-1500SRT2UXLIN
Form factor	1U Rack/Tower	2U Rack/Tower	2U Rack/Tower	2U Rack/Tower
Topology			Line Interactive	
Power rating	500VA / 450W	800VA / 720W	1100VA / 990W	1500VA / 1350W
<b>Net Dimensions, H x W x D in (mm)</b>				
Unit	1.67" x 17.2" x 8.9" (42.5mm x 438mm x 225mm)	3.4" x 17.2" x 11.8" (86.2mm x 438mm x 300mm)	3.4" x 17.2" x 11.8" (86.2mm x 438mm x 300mm)	3.4" x 17.2" x 11.8" (86.2mm x 438mm x 300mm)
Rack orientation				
Rackmount depth	7.9" (200mm)	10.6" (270mm)	10.6" (270mm)	10.6" (270mm)
Shipping	7.3" x 22.4" x 14.6" (185mm x 570mm x 370mm)	9.5" x 22.4" x 18.5" (240mm x 570mm x 470mm)	9.5" x 22.4" x 18.5" (240mm x 570mm x 470mm)	9.5" x 22.4" x 18.5" (240mm x 570mm x 470mm)
<b>Weight, lb (kg)</b>				
Unit	9.26 lbs (4.2 kg)	19.4 lbs (8.8kg)	19.4 lbs (8.8kg)	21.61 lbs (9.8kg)
Shipping	15.79 lbs (7.16kg)	28.22 lbs (12.8 kg)	28.22 lbs (12.8 kg)	31.53 lbs (14.3kg)
<b>Input/Output AC Parameters</b>				
Input plug		NEMA 5-15P		
Power cord length		8ft/2.4m		
Total receptacles	(4) NEMA 5-15R	(6) NEMA 5-15R	(6) NEMA 5-15R	(8) NEMA 5-15R
Programmable segment	One	One	Two	Three
Nominal voltage setting		120VAC Default; 100/110/115/120/125VAC		
Voltage range without battery operation		75 - 150VAC		
Frequency range		50/60Hz Auto Sensing 60Hz default		
Surge protection		ANSI C62.41 Category A		
Transfer time		4 - 6ms Typical		
Battery output waveform		Pure Sine Wave		
<b>Battery parameters</b>				
Type		Lithium-Ion (LiFePO4)		
"Recharge time (from full discharge)"		2 hrs to 100%		
Full-load runtime	3.4 mins	8.3 mins	6 mins	7 mins
Half-load runtime	8.2 mins	16.8 mins	12 mins	13 mins
Lithium-Ion External Battery Cabinet (EBC)	-	-	-	VEBCLI-38VSRT1U
EBC Runtime	-	-	-	Reference User Guide or Vertiv.com runtime tool
<b>Environmental</b>				
Operating temperature °F (°C)		32° to 104° no derating (0° to 40°)		
Storage temperature °F (°C)		14° to 113° (-10° to 45°)		
Relative humidity		0% - 90%, non-condensing		
Operating altitude, ft (m)		0 to 9,942ft (0 to 3,000m) without derating		
"Audible noise @ 1 meter (3ft) - Line mode"		<40 db		
<b>Certifications</b>				
Safety		UL 1778 5th Edition, UL1973 3rd Ed, CSA C22.2 107.3-14		
Agency		UL 1778, c-UL, FCC Part 15 Class B, Energy Star 2, NOM, VCCI		
Environmental		RoHS2 / REACH / WEEE, California Prop65		
Transportation		UN 38.3, ISTA 2A		
Warranty		5 years UPS and Battery		
<b>Protection Plan</b>				
Equipment protection plan		\$400,000		

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