

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

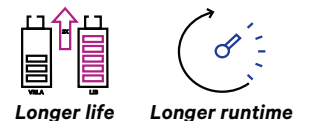


PSI5-1500SRT2UXLI

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.



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

	PSI5-500SRT1ULI	PSI5-800SRT2ULI	PSI5-1100SRT2ULI	PSI5-1500SRT2UXLI
Models with RDU120 Network Card	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
Net Dimensions, H x W x D in (mm)				
Unit	16.7" x 17.2" x 8.9"	3.4" x 17.2" x 11.8"	3.4" x 17.2" x 11.8"	3.4" x 17.2" x 11.8"
Rack orientation	(42.5mm x 438mm x 225mm)	(86.2mm x 438mm x 300mm)	(86.2mm x 438mm x 300mm)	(86.2mm x 438mm x 300mm)
Rackmount depth	7.9" (200mm)	10.6" (270mm)	10.6" (270mm)	10.6" (270mm)
Shipping	7.3" x 22.4" x 14.6"	9.5" x 22.4" x 18.5"	9.5" x 22.4" x 18.5"	9.5" x 22.4" x 18.5"
	(185mm x 570mm x 370mm)	(240mm x 570mm x 470mm)	(240mm x 570mm x 470mm)	(240mm x 570mm x 470mm)
Weight, lb (kg)				
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)
Input/Output AC Parameters				
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			
Battery parameters				
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
Environmental				
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			
Certifications				
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			
Protection Plan				
Equipment protection plan	\$400,000			