

Vertiv™ Liebert® PSI5 Lithium-Ion TAA UPS



Superior Power Protection for Edge Applications, Telecom, and Distributed IT Equipment

Overview

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.

Liebert PSI5 Lithium-Ion 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
- Greater battery performance in higher temperature environments



Lower Total Cost of Ownership (TCO)

The 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 three times that of VRLA batteries – up to 10 years. That delivers 50% or more in TCO savings vs. VRLA batteries, chiefly because the 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 Liebert PSI5 Lithium-Ion UPS is a true low-maintenance, set-it-and-forget-it solution.

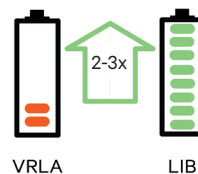
Lower TCO



Smaller & Lighter



Longer Life



Longer Runtime



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
- 4 Post Rack Mounting Kit
- Support base for tower configuration
- Free download [Power Assist](#), [Power Insight software](#)

Technical Specifications

Standard Models*	PSI5-1500RT120LITAA	PSI5-2200RT120LITAA	PSI5-3000RT120LITAA
Form Factor	2U Rack/Tower	2U Rack/Tower	2U Rack/Tower
Power Rating	1500VA / 1350W	1920VA / 1920W	3000VA / 2700W
Dimensions, W X D X H, IN (MM)			
Unit	17.2 x 16.2 x 3.4 (438 x 411 x 86)	17.2 x 20.1 x 3.4 (438 x 510 x 86)	17.2 x 24.8 x 3.4 (438 x 630 x 86)
Rackmount Depth	15" (380mm)	18.9" (480mm)	23.62" (600mm)
Shipping	10.2 x 22.9 x 22.4 (258 x 582 x 570)	10.2 x 26.5 x 22.4 (258 x 672 x 570)	10.2 x 30.8 x 21.7 (258 x 782 x 550)
Weight, LB (KG)			
Unit	28.3 (12.9)	39.5 (18.0)	53.5 (24.3)
Shipping	42.1 (19.1)	53.8 (24.4)	67.9 (30.8)
Input/Output AC Parameters			
Input Plug	NEMA 5-15P	NEMA L5-20P	NEMA L5-30P
Input Cord	8ft (3m)	8ft (3m) L5-20, 5-20P adapter	8ft (3m)
Non-Programmable Receptacles	(3) NEMA 5-15R	(1) NEMA L5-20R, (3) NEMA 5-20R	(1) NEMA L5-30R, (3) NEMA 5-20R
Programmable Receptacles	(3) NEMA 5-15R	(3) NEMA 5-20R	(3) NEMA 5-20R
Nominal Voltage Setting	120VAC Default; 100/110/115/125VAC User Selectable		
Voltage Range Without Battery Operation	75 - 146VAC		
Frequency Range	55 to 65Hz (57-63Hz Battery to Normal Comeback)		
Surge Protection	ANSI C62.41, Category A, Level 3		
Transfer Time	4 - 6ms Typical		
Battery Waveform	Pure Sine Wave		
Efficiency			
Normal (Line) Mode	98.6%	98.5%	98.4%
Battery Parameters			
Type	Lithium-Ion (LiFePO4)		
Recharge Time (from full discharge)	2hrs to 90%	2hrs to 90%	2hrs to 90%
Full-Load Runtime	7.5 min	8.6min	8.9min
Half-Load Runtime	17.7 min	19.0min	20.0 min
Environmental			
Operating Temperature,*F (°C)	32° to 104° (0° to 40°)		
Storage Temperature °F (°C)	5° to 120° (-15° to 50°)		
Relative Humidity	20% - 90%, non-condensing		
Operating Altitude, ft (m)	0 to 9,942 (0 to 3,000) without derating.		
Audible Noise	< 45 dB @ line mode, < 55 dB @ battery mode		
Certifications			
Safety	UL 1642 (LiFe cells), UL 1973 (LiFe pack), UL 1778, CSA 22.2 no. 107.3		
Agency	UL 1778, c-UL, NOM, FCC Part 15, Class B, Energy Star		
Environmental	RoHS2 / REACH / WEEE		
Network Surge	ANSI C62.41, Category A, Level 3		
Transportation	ISTA Procedure 2A UN 38.3 (Lithium-ion)		
Warranty	5 years on UPS and Battery		
Protection Plan			
Equipment Protection Plan	\$400,000		

* Liebert® PSI5 UPS + RDU120 card bundles available - Add an "N" to the end of the model number. Available through select distributors.*

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