

Liebert® PSI5 Lithium-Ion UPS



A line-interactive UPS to address your distributed IT and edge requirements.

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 about twice as long (or longer), recharge much more quickly, and can endure up to 10x more discharge cycles. With a 5 year standard warranty, double the useful life, and significantly more runtime, the PSI5 Lithium-Ion UPS is at the top of its class.

PSI5 Lithium-Ion Key Benefits vs VRLA

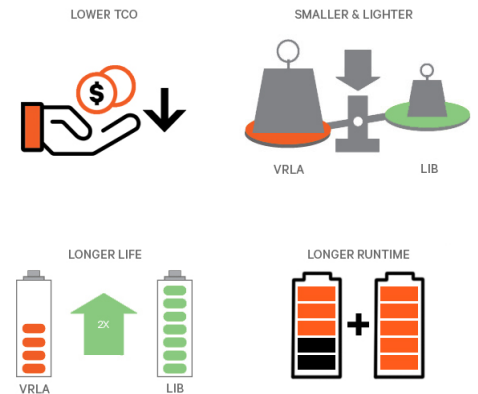
- 2x battery life
- Lower TCO
- 5 year standard warranty on UPS and Batteries
- Long Runtime
- Quicker recharge times
- Smaller and lighter:
 - Greater power density
 - Reduced unit depth
- Up to 10x more discharge cycles



Lithium-ion technology delivers double the life of lead-acid batteries along with a lower total cost of ownership, making the Liebert® PSI5 Lithium-Ion line-interactive UPSs ideally suited for server rooms, network closets, and other edge or distributed IT applications.

Lower Total Cost of Ownership (TCO)

The Liebert PSI5 Lithium-ion line-interactive UPSs, which come in 2U 1500VA and 3000VA models, are ideally suited to protect critical infrastructure in edge or distributed IT applications. The life expectancy of lithium-ion batteries is twice that of VRLA batteries – up to 10 years. That delivers up to 50% or more in TCO savings vs. VRLA batteries, chiefly because the PSI5 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 PSI5 Lithium-ion UPS is a true low-maintenance, set-it-and-forget-it solution.



What's In The Box

- UPS Unit
- Adjustable 4 post rack mounting kit
- Support base for tower configuration
- [Trellis™ Power Insight](#) (free download)
- USB Type A to USB Type B cable 1.8 meter (6ft) in length
- Printed quick start guide with safety instructions

Technical Specifications



Standard Models*	PSI5-1500RT120LI	PSI5-3000RT120LI
Power Rating	1500VA / 1350W	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 24.8 x 3.4 (438 x 630 x 86)
Shipping	10.2 x 22.9 x 22.4 (258 x 582 x 570)	10.2 x 30.8 x 22.4 (258 x 782 x 570)
Weight, LB (KG)		
Unit	28.3 (12.9)	53.5 (24.3)
Shipping	42.1 (19.1)	67.9 (30.8)
Input/Output AC Parameters		
Nominal Voltage Setting	120VAC Default; 100/110/115/125VAC User Selectable	120VAC Default; 100/110/115/125VAC User Selectable
Voltage Range Without Battery Operation	75 - 146VAC	75 - 146VAC
Frequency Range	55-65Hz (57-63Hz Battery to Normal Comeback)	55-65Hz (57-63Hz Battery to Normal Comeback)
Surge Protection	ANSI C62.41, Category A, Level 3 1372J	ANSI C62.41, Category A, Level 3 1372J
Input Plug	NEMA 5-15P, offset 90-deg type	NEMA L5-30P
Input Cord	10ft (3m) Attached	10ft (3m) Attached
Non-Programmable Receptacles	(3) NEMA 5-15R	(3) NEMA 5-20R, (1) NEMA L5-30R
Programmable Receptacles	(3) NEMA 5-15R	(3) NEMA 5-20R
Transfer Time	4 - 6ms Typical	4 - 6ms Typical
Battery Waveform	Pure Sine Wave	Pure Sine Wave
Efficiency		
Normal (Line) Mode	97.1%	97.3%
Boost Mode	94.1%	93.9%
Buck Mode	95.3%	95.4%
Battery Mode	90.0% @ Full-Load	89.3% @ Full-Load
Battery Parameters		
Type	Lithium-Ion (LiFePO4)	Lithium-Ion (LiFePO4)
Recharge Time (from full discharge)	2hrs to 100%	3hrs to 100%
Full-Load Runtime	7.5 min	8.9 min
Half-Load Runtime	17.7 min	20.0 min
Environmental		
Operating Temperature, °F (°C)	32° to 104° (0° to 40°)	32° to 104° (0° to 40°)
Storage Temperature °F (°C)	-5° to 122° (-15° to 50°)	-5° to 122° (-15° to 50°)
Relative Humidity	20% - 90%, non-condensing	20% - 90%, non-condensing
Operating Altitude	0 to 9,942 (0 to 3,000) without derating. Operating temperature reduced 9°F (5 °C) for each additional 1,640ft (500m) of altitude	
Audible Noise	< 45 dB @ line mode, < 55 dB @ battery mode	< 45 dB @ line mode, < 55 dB @ battery mode
Agency		
Safety	UL 1778, c-UL, NOM	UL 1778, c-UL, NOM
Emissions	FCC Part 15, Class B	FCC Part 15, Class B
Network Surge	ANSI C62.41, Category A, Level 3	ANSI C62.41, Category A, Level 3
Transportation	ISTA Procedure 2A Certification	ISTA Procedure 2A Certification
Warranty		
	5 year standard warranty	5 year standard warranty

* PSI5 2U Rack/Tower UPS + IS-UNITY-SNMP card bundles available - Add an "N" to the end of the model number. Available through select distributors."

Vertiv.com | Vertiv Headquarters, 1050 Dearborn Drive, Columbus, OH, 43085, USA

© 2020 Vertiv Group Corp. All rights reserved. Vertiv™ and the Vertiv logo are trademarks or registered trademarks of Vertiv Group Corp. All other names and logos referred to are trade names, trademarks or registered trademarks of their respective owners. While every precaution has been taken to ensure accuracy and completeness here, Vertiv Group Corp. assumes no responsibility, and disclaims all liability, for damages resulting from use of this information or for any errors or omissions. Specifications, rebates and other promotional offers are subject to change at Vertiv's sole discretion upon notice.