

Liebert® PSI5 Lithium-Ion 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

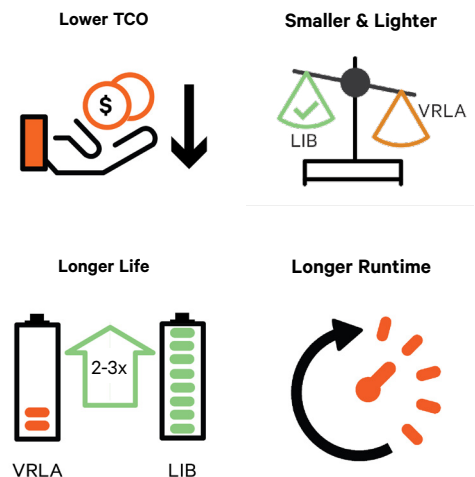


Lithium-ion technology delivers up to three times the life of lead-acid batteries along with a lower total cost of ownership, making the Liebert PSI5 Lithium-Ion line-interactive UPSs ideally suited for server rooms, network closets, and other edge or distributed IT applications.

Lower Total Cost of Ownership (TCO)

The Liebert PSI5 Lithium-Ion line-interactive UPSs 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.



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
- Adjustable 4 post rack mounting kit (on rack/tower models)
- Rackmount Ears
- Support base for tower configuration (on rack/tower models)
- Free download Power Assist, Power Insight software

Technical Specifications

Standard Models*	Liebert PSI5-1500MT120LI	Liebert PSI5-1500RT120LI	Liebert PSI5-2200RT120LI	Liebert PSI5-3000RT120LI	Liebert PSI5-3000SRT120LI
Form Factor	Mini Tower	2U Rack/Tower	2U Rack/Tower	2U Rack/Tower	3U Rack/Tower
Power Rating	1500VA / 1350W	1500VA / 1350W	1920VA / 1920W	3000VA / 2700W	3000VA / 2700W
Dimensions, W X D X H, IN (MM)					
Unit	6.3 x 15.6 x 8.7 (158 x 397 x 220)	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)	17.2 x 16.9 x 5.4 (438 x 430 x 130.6)
Rackmount Depth		15" (380mm)	18.9" (480mm)	23.62" (600mm)	15.7 (400mm)
Shipping	9.1 x 19.5 x 12.8 (230 x 495 x 325)	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)	26.4 x 22.4 x 11.1 (670 x 570 x 282)
Weight, LB (KG)					
Unit	27.9 (12.7)	28.3 (12.9)	39.5 (18.0)	53.5 (24.3)	56 (25.4)
Shipping	31.2 (14.2)	42.1 (19.1)	53.8 (24.4)	67.9 (30.8)	67.9 (30.8)
Input/Output AC Parameters					
Input Plug	NEMA 5-15P (90deg type)	NEMA 5-15P	NEMA L5-20P	NEMA L5-30P	NEMA L5-30P
Input Cord	6ft (1.8m) Attached	10ft (3m) Attached	10ft (3m) Attached L5-20, 5-20P adapter	10ft (3m Attached)	10ft (3m Attached)
Non-Programmable Receptacles	(3) NEMA 5-15R	(3) NEMA 5-15R	(1) NEMA L5-20R, (3) NEMA 5-20R	(1) NEMA L5-30R, (3) NEMA 5-20R	(1) NEMA L5-30R, (6) NEMA 5-15/20R
Programmable Receptacles	(3) NEMA 5-15R	(3) NEMA 5-15R	(3) NEMA 5-20R	(3) NEMA 5-20R	(3) NEMA 5-15/20R
Nominal Voltage Setting	120VAC Default; 100/110/115/125VAC User Selectable				
Voltage Range Without Battery Operation	75 - 146VAC				
Frequency Range	45 to 65Hz (57-63Hz Battery to Normal Comeback)				
Surge Protection	ANSI C62.41, Category A, Level 3				ANSI C62.41, Category B
Transfer Time	4 - 6ms Typical				
Battery Waveform	Pure Sine Wave				
Efficiency					
Normal (Line) Mode	97.1%	97.1%	97.1%	97.3%	97.3%
Battery Parameters					
Type	Lithium-Ion (LiFePO4)				
Recharge Time (from full discharge)	2hrs to 90%	2hrs to 90%	2hrs to 90%	2hrs to 90%	2hrs to 90%
Full-Load Runtime	7.5min	7.5 min	8.6min	8.9min	7.7 min
Half-Load Runtime	17.7min	17.7 min	19.0min	20.0 min	18.3 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. 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				
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				
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 2U Rack/Tower UPS + IS-UNITY-SNMP card bundles available - Add an "N" to the end of the model number. Available through select distributors.*

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