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 2-3 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 PSI5 Lithium-Ion UPS is at the top of its class.

PSI5 Lithium-Ion Key Benefits vs VRLA

- 2-3x battery life
- Lowest 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

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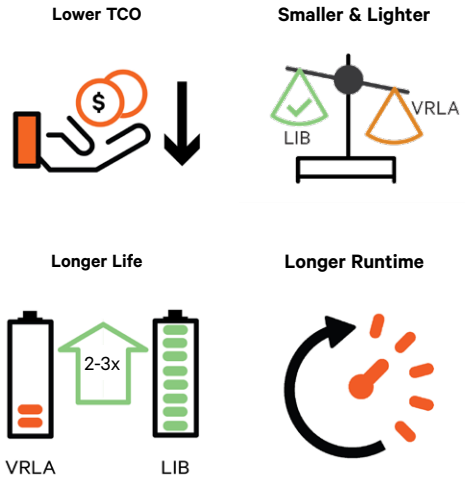
Lithium-ion technology delivers two to three times the life of lead-acid batteries along with a lower total cost of ownership, making the Liebert® PSI5 Lithium-Ion line-interactive UPSs ideally suited for server rooms, network closets, and other edge or distributed IT applications.

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 two to three times that of VRLA batteries – up to 10 years. That delivers up to 50% or more in TCO savings vs. VRLA batteries, chiefly because the Liebert 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 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
- *Trellis™ Power Insight* (free download)
- Adjustable 4 post rack mounting kit (on rack/tower models)
- Support base for tower configuration (on rack/tower models)

LIB Lithium-ion Batteries · 5 5 YEAR WARRANTY · $↓ LOWER TCO · LONG RUNTIME · RoHS 2002/95/EC · Eligible for Trade-In Program

Liebert® PSI5 Lithium-Ion UPS

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Technical Specifications

Standard Models*	PSI5-1500MT120LI	PSI5-1500RT120LI	PSI5-2200RT120LI	PSI5-3000RT120LI
Form Factor	Mini Tower	2U Rack/Tower	2U Rack/Tower	2U Rack/Tower
Power Rating	1500VA / 1350W	1500VA / 1350W	1920VA / 1920W	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)
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)
Weight, LB (KG)				
Unit	27.9 (12.7)	28.3 (12.9)	39.5 (18.0)	53.5 (24.3)
Shipping	31.2 (14.2)	42.1 (19.1)	53.8 (24.4)	67.9 (30.8)
Input/Output AC Parameters				
Input Plug	NEMA 5-15P (90deg type)	NEMA 5-15P	NEMA L5-20P	NEMA L5-30P
Input Cord	6ft (1.8m) Atttached	10ft (3m) Attached)	10ft (3m) Attached L5-20, 5-20P adapter	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
Programmable Receptacles	(3) NEMA 5-15R	(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	55~65Hz (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	97.1%	97.1%	97.1%	97.3%
Battery Parameters				
Type	Lithium-Ion (LiFePO4)			
Recharge Time (from full discharge)	1.7hrs to 90% 1.9hrs to 100%	1.7hrs to 90% 1.9hrs to 100%	1.9hrs to 90% 2.1hrs to 100%	2.6hrs to 90% 3hrs to 100%
Full-Load Runtime	7.5min	7.5 min	8.6min	8.9min
Half-Load Runtime	17.7min	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. 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)	ISTA Procedure 3A UN 38.3 (Lithium-ion)	ISTA Procedure 3A UN 38.3 (Lithium-ion)	ISTA Procedure 3A 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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