

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.

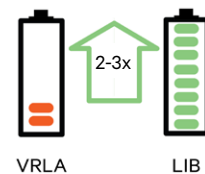
Lower TCO



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
- Rack mounting kit
 - 4-Post Kit with 2U Rack/Tower models
 - 2-Post Kit with 3U Short Depth Rack/Tower model 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 5.14 (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 | 55 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."

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

© 2022 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.