



Galaxy Lithium-ion Battery Cabinets

For 3-phase uninterruptible
power supplies



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Life Is On

Schneider
Electric

Reduce total cost of ownership by increasing availability, resiliency, and sustainability

The Schneider Electric™ exclusive Galaxy Lithium-ion Battery Cabinets for 3-phase UPSs are innovative energy storage solutions for data centers, industrial processes, and critical infrastructures.

This UL9540A-compliant battery solution reduces battery footprint and weight by up to 70%, allowing more effective use of space. Lithium-ion batteries reduce total cost of ownership, both by doubling battery life and by operating at higher temperatures, reducing cooling requirements. The included battery management system improves battery system visibility, predictability, and manageability, and the modular, touch-safe design simplifies maintenance. The Green Premium™-certified Galaxy Lithium-ion battery solution is the ideal energy storage solution for your critical applications.



Intelligent, reliable energy storage

In addition to doubling battery life, Lithium-ion battery solutions provide predictable, consistent runtime performance. The 3-level battery management system provides a clear, comprehensive picture of battery health.



Simplified site planning

Streamline site design and installation, and enhance system availability, with redundant self-feeding internal power supplies.



Enhanced operator safety

Maintain your peace of mind while performing battery maintenance; breaker covers and touch-safe components enhance employee protection.



Elegant design

Mirroring the modern industrial design of the Galaxy V series UPS, these cabinets roll quickly into place.



Optimized footprint

Free up valuable space for revenue-generating equipment; high-density technology delivers up to 70% footprint savings.

3-phase UPS compatibility

- Galaxy VS
- Galaxy VM
- Galaxy VL
- Galaxy VX
- Symmetra PX 250/500
- Symmetra MW
- Easy UPS 3M
- Easy UPS 3L
- Galaxy 3L
- Easy UPS 3-Phase Modular
- Galaxy PX

Well suited for a wide range of applications

- Data centers, colocation, and computer rooms
 - Edge computing
 - Internet DC
 - Cloud computing
- Telecommunications and networking
- Light industrial and commercial buildings
- Infrastructure and transportation

Features and benefits

Innovative and sustainable design

As a first mover with more than 5 years of experience with Lithium-ion battery installations across our installed base, Schneider Electric's Galaxy Lithium-ion Battery Cabinets elevate battery performance sustainably:

- Optimize TCO and achieve sustainability targets by **doubling** your battery life
- Boost availability with **2-3x faster** recharge rates than VRLA solutions
- Simplify and speed up site design and installation: our redundant internal power supply eliminates the need for an input AC power source
- Lithium-ion batteries eliminate gas emission during charge or discharge operations, and eliminate lead from your data center designs



Optimize your footprint

Maintain or increase your facility's revenue-generating capacity while reducing the size of the technical room with Lithium-ion batteries:

- **Up to 70% more compact** footprint frees up floor space for revenue-generating equipment
- **Two-thirds lighter** battery solution provides you the flexibility to install energy storage on any floor while minimizing structural modification requirements
- Decrease the capacity of your cooling solution with the **wider tolerance** of operating temperature ranges and reduced battery room size

Double your battery life

Galaxy Lithium-ion Battery Cabinets increase the sustainability of your solution, extending the life of your batteries even in higher-temperature operating conditions.

- Double the service life of your batteries and reduce cooling demand
- Reduce the frequency of battery replacement and disposal, as well as the risks of downtime or load interruption during maintenance

Increase availability, safety, and resiliency with intelligent monitoring

Enjoy peace of mind with advanced battery management as well as safety enhancements:

- Embedded monitoring at the cell, module, and cabinet level provides a clear picture of battery health
- Predictable, consistent runtime performance enhances battery availability
- Increased safety during maintenance, with built-in fuse protection at the battery cell and cabinet level
- Monitor and manage your Galaxy Lithium-ion Battery Cabinet from anywhere, at any time, with any device, thanks to EcoStruxure IT Expert and Data Center Expert

Lithium-ion compared to VRLA batteries



| | Classic battery cabinet with VRLA | Galaxy Lithium-ion Battery Cabinet |
|--------------------|-----------------------------------|------------------------------------|
| Square footprint | 3.4m ² | 1.1m ² |
| Dimensions (W x D) | 4000 x 845 mm | 1950 x 587 mm |

*Comparison based on Galaxy VL 500 kVA UPS with 10 minutes of runtime



| Galaxy Lithium-ion Battery Cabinet | With 10 battery modules | With 13 battery modules | With 16 battery modules | With 17 battery modules |
|------------------------------------|--|-------------------------|-------------------------|-------------------------|
| Nominal battery voltage (VDC) | 304 | 395 | 486 | 517 |
| End of discharge voltage (VDC) | 240 | 312 | 384 | 408 |
| Nominal capacity (Ah) | 67 | | | |
| Battery module capacity | 2.04 kWh | | | |
| Rolling casters | Yes | | | |
| Color & ID design | RAL9003; Schneider Galaxy V family UPS industrial design | | | |
| Humidity | 0-95%, non-condensing | | | |
| Altitude | Maximum of 3000 m (10000 ft) | | | |
| External communication interface | Dry contacts; Modbus TCP/IP; Modbus RS-485 | | | |
| Compliance | UL924, UL1642, UL 1973, UL 9540A, UL 991, UL 1998, UN 38.3, CE, CB, UKCA, ROHS, REACH, OSHPD | | | |
| Seismic | Seismic kit as standard; IBC S_{DS} (g)=2.5 | | | |
| Dimensions (H x W x D) | 1970 x 650 x 587mm (77.56 x 25.59 x 23.11 in) | | | |
| Weight | 355 kg (782 lb) | 415 kg (915 lb) | 470 kg (1036 lb) | 490 kg (1080 lb) |

To learn more about the Galaxy Lithium-ion Battery Cabinets, EcoStruxure IT cloud-based software, and EcoStruxure Asset Advisor 24x7 Remote Monitoring Services, contact your Schneider Electric representative or visit se.com/ups

Life Is On



About Schneider Electric

Schneider's purpose is to empower all to make the most of our energy and resources, bridging progress and sustainability for all. We call this Life Is On.

Our mission is to be your digital partner for Sustainability and Efficiency.

We drive digital transformation by integrating world-leading process and energy technologies, end-point to cloud connecting products, controls, software and services, across the entire lifecycle, enabling integrated company management, for homes, buildings, data centers, infrastructure, and industries.

We are the most local of global companies. We are advocates of open standards and partnership ecosystems that are passionate about our shared Meaningful Purpose, Inclusive and Empowered values.

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