



Galaxy Lithium-ion Battery Cabinets

For Galaxy V series 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 sustainable, 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. Optimize installation costs with the redundant internal power supply. Aesthetically matching the industrial design of Schneider Electric's Galaxy V series UPSs, 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.



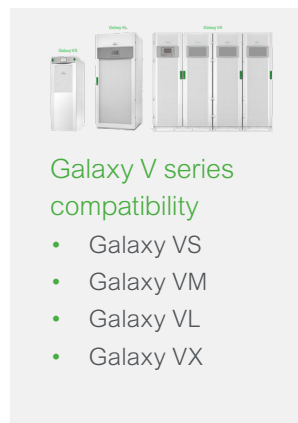
Elegant design

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.



Galaxy V series compatibility

- Galaxy VS
- Galaxy VM
- Galaxy VL
- Galaxy VX

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 with more than 4 years of experience with Lithium-ion battery installations across our installed base, Schneider Electric's new 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
- Connect with EcoStruxure Power Monitoring Expert (PME) for Backup Power Monitoring to gain real-time visibility of energy storage availability, analyze historical data and alarms, and create a proactive maintenance plan

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 13 battery modules	With 16 battery modules	With 17 battery modules
Nominal battery voltage (VDC)	395	486	517
End of discharge voltage (VDC)	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	UL1642; UL 1973; UL 9540A; UL 991, UL 1998, UN 38.3; CE; CB; UKCA; ROHS; REACH		
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	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

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About Schneider Electric

At Schneider Electric, we believe access to energy and digital is a basic human right. We empower all to make the most of their energy and resources, ensuring Life Is On everywhere, for everyone, at every moment. We provide energy and automation digital solutions for efficiency and sustainability. We combine world-leading energy technologies, real-time automation, software and services into integrated solutions for Homes, Buildings, Data Centers, Infrastructure and Industries. We are committed to unleash the infinite possibilities of an open, global, innovative community that is passionate about our Meaningful Purpose, Inclusive and Empowered values.

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