



# Galaxy Lithium-ion Battery Cabinets

For 3-phase uninterruptible  
power supplies



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**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 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.



Enhanced operator safety

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



Simplified site planning

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



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
- Galaxy VXL
- Symmetra PX 250/500
- Symmetra MW
- Easy UPS 3M
- Easy UPS 3M Advanced
- Easy UPS 3L
- Galaxy 3L
- Galaxy 3L Pro
- 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 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:

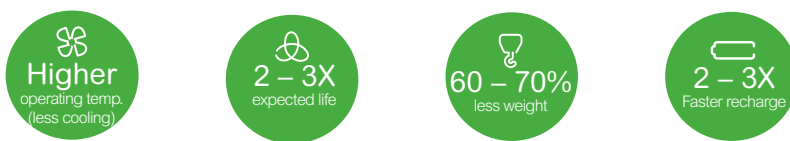
- Optimize TCO and achieve sustainability targets by **doubling** your battery life
- Boost availability with **2-3x faster** recharge rates than VRLA solutions
- Simplify and speed up site design and installation: our redundant internal power supply eliminates the need for an input AC power source
- 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

## Lithium-ion compared to VRLA batteries



	Classic battery cabinet with VRLA	Galaxy Lithium-ion Battery Cabinet
Square footprint	3.4m <sup>2</sup>	1.1m <sup>2</sup>
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

## Double your battery life

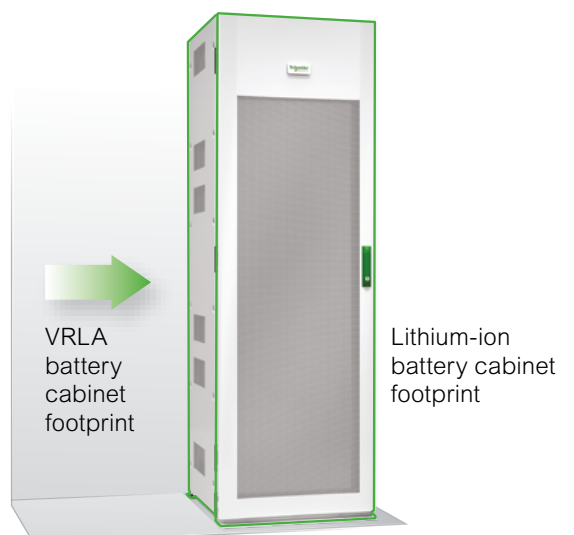
Galaxy Lithium-ion Battery Cabinets increase the sustainability of your solution, extending the life of your batteries even in higher-temperature operating conditions.

- 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
- Record Lithium-ion Battery Cabinet life span operation history and event logs with the Data Kit



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			
Operating ambient temperature	0-40 °C (recommend 18-28 °C)			
Altitude	Maximum of 2000 m (6562 ft)			
External communication interface	Dry contacts; Modbus TCP/IP; Modbus RS-485			
Compliance	UL924, UL1642, UL 1973, UL 9540A, UL9540, UL 991, UL 1998, UN 38.3, CE, CB, UKCA, RoHS, REACH, OSHPD			
Seismic	Seismic kit as standard; IBC S <sub>DS</sub> (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)
Design life	15 years			

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](https://se.com/ups)

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#### About Schneider Electric

Schneider's **purpose is to create Impact** by empowering all to **make the most of our energy and resources**, bridging progress and sustainability for all. At Schneider, we call this **Life Is On**.

Our mission is to be the trusted partner in **Sustainability and Efficiency**.

We are a **global industrial technology leader** bringing world-leading expertise in electrification, automation and digitization to smart **industries**, resilient **infrastructure**, future-proof **data centers**, intelligent **buildings**, and intuitive **homes**. Anchored by our deep domain expertise, we provide integrated end-to-end lifecycle AI enabled Industrial IoT solutions with connected products, automation, software and services, delivering digital twins to enable profitable growth **for our customers**.

We are a **people company** with an ecosystem of 150,000 colleagues and more than a million partners operating in over 100 countries to ensure proximity to our customers and stakeholders. We embrace **diversity and inclusion** in everything we do, guided by our meaningful purpose of a **sustainable future for all**.

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