Galaxy PX

300–600 kW
400 V



Advancing Energy Tech

Schneider Electric™



Speed where it matters. Space where you need it. Protection you trust.

Compact. Scalable. Ready for growth.

Galaxy PX is a modular 300–600 kW (400 V) UPS built for continuous uptime, high efficiency, and pay-as-you-grow scalability ideal for modern data centers and critical infrastructure.

As power demands grow, infrastructure needs to keep pace without adding complexity. That's why Galaxy PX delivers TÜV-verified Live Swap technology, high-density 67 kW power modules, and industry-leading efficiency—maximizing availability while optimizing total cost of ownership.

Why Galaxy PX?

Up to 97.5% efficiency in double conversion mode
Up to 99% efficiency in eConversion mode



Modular scalability from 300 to 600 kW

TÜV-verified Live Swap technology

Compact 0.6 m² footprint

Key advantages and innovations

Maximum availability thanks to modular architecture

Scalability enables you to pay as you grow, maximizing savings on capital investment and total cost of ownership. One extra power module for N+1 internal redundancy delivers ultra-high availability.

Low total cost of ownership with ultra-high efficiency

Recover your initial investment through energy savings; Galaxy PX provides up to 99% efficiency in eConversion mode and up to 97.5% efficiency in double conversion mode with the use of hybrid silicon carbide (SiC).

Battery flexibility, including lithium-ion batteries*

Increase availability and reduce TCO with long-life, intelligent energy storage that meets the runtime your site requires.

Compact design, optimized footprint

With its ultra-high density 67 kW, 3U power modules and full-front access, Galaxy PX is a footprint saver well-suited for confined spaces.

Innovative Live Swap

Keep your load protected, your business running, and your employees safer. Expand power and maximize uptime, availability, and power continuity by adding or swapping out power modules quickly with no scheduled downtime.

Robust design

SiC power module design with 3-level inverter topology, integrated backfeed protection, and redundant intelligence modules keep your site resilient. Simple installation streamlines room-based or prefab deployment.

EcoStruxure IT

Monitor, manage, and model your IT infrastructure, and get service support, anytime, anywhere.*

*Contact your local representative for availability.

Well-suited for a wide range of applications

Designed to deliver resilient, scalable backup power across mission-critical and industrial applications:





Medium and large data centers, colocation, and computer rooms

- Internet DC
- Disaster recovery DC
- Large enterprise regional DC
- Cloud computing
- Government critical DC
- Telecommunication

Light industry and commercial buildings

- Manufacturing critical line
- Light industry
- Bank, finance, and insurance
- Pre-fabricated systems
- Transportation
- Hospital
- Retail

Environmental Data Program

Next-level transparency for better-informed product choices.
Learn more about the Environmental Data Program at:
se.com/ww/en/about-us/sustainability/environmental-data-program

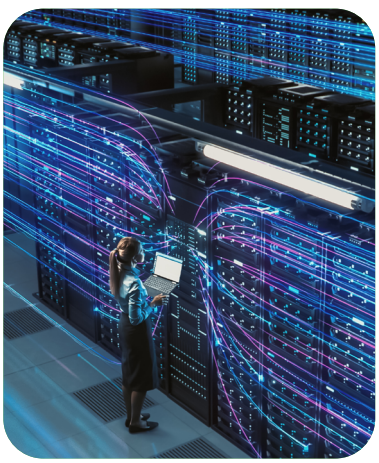
Robust performance

Robust and flexible design ideal for demanding environments at maximum performance



Flexibility and performance

- **Unity power factor (PF=1)** allows for right-size protection to real IT needs
- Low total cost of ownership with up to 97.5% efficiency
  - High density design: 3-level inverter topology with hybrid SiC power module converters
  - Flexible voltage range and high-power charger supported by separate DC-DC design
  - Silent operation
- Seamlessly integrates into the electrical environment:
  - Single and dual mains supported
  - Supports 4-wire installations
- Simplifies site planning and optimizes installation costs
  - Accepts aluminum wiring; accepts copper wiring with top cable entry
- Increases on-site reliability and reduces start-up costs—Smart Power Test (SPoT) mode verifies UPS performance before you connect your load, without the need for a load bank:
  - Simple, easy, and safe method to test the UPS at full power
  - Reduce risk to load and improve product quality



Higher availability: maximum uptime, reduced risk

- One extra power module for N+1 internal redundancy keeps your load protected and multiplies system availability by 10 with no extra footprint
- Optimized uptime with wide input tolerance window (+/-15%)
- With **Live Swap**, it is simple and fast to add, replace, or remove power modules
- Parallelable for capacity (up to 2.4 MW with 4 UPSs)
- Parallelable for redundancy (up to 3+1 UPSs)
- N+0 or N+1 module-level redundancy
- N+0 or N+1 system-level redundancy



Robust design deploys fast in both IT and non-IT environments

- Modular system for maximum flexibility from room to pre-fabricated deployment
- Designed to perform in fault-tolerant design ensures continuous protection in critical circumstances
- Maximum short circuit rating: **65 kA**
- Harsh environments with its high-quality air filter
- Static bypass switch with high I^2t rating enhances downstream resilience
- Suited for humid environments thanks to **conformal coating**, including 100% conformally coated PCBs
- **Seismic certified**
- Meets industry standards on electromagnetic protection with EMC Level C3
- **Faster battery charging** capabilities restore back-up time 2 to 3 times faster compared to industry standards
- Bypass current-sharing, inductor-free design for parallel systems
- Spacious cable entry section simplifies installation
- User-friendly 10-inch display interface supports easy configuration
- Enhanced availability, with a **redundant intelligence module** and SmartSlot for optional secondary Network Management Card
- Includes on-site start-up with Schneider Electric™ Services Representatives

Premium protection and sustainability

eConversion: an unbeatable combination of power quality and high efficiency



1x
Galaxy PX in eConversion*

=



45x
Rooftop solar installations

=



75x
Cars powered

=



€193 200*
Electricity costs saved

Sustainably reduce your operating costs.

Protect power to your load, reduce your total cost of ownership and electricity consumption, and meet your sustainability goals with up to 99% efficient, Class 1-compliant eConversion mode—the recommended operating mode for your Galaxy PX UPS.*

- By operating at up to **99% efficiency**, the electricity savings in eConversion within 10 years typically equals **3x the price of the UPS**.
- The inverter operates continuously, protecting the load with **no transfer time**. eConversion performance has been certified with the same IEC 62040-3 **Class 1** rating as double conversion mode.
- eConversion mode recharges batteries and provides power factor correction and harmonics compensation, making it a **versatile solution for IT and non-IT loads**.
- Since its launch in 2014, eConversion has been successfully deployed all over the world. Join thousands of customers who use it daily to protect their critical loads.

*Model dependent; estimate based on a 600 kW system at 99.3% (eConversion) vs. 96.9% (double conversion) and market electricity price of $0.15 /kWh. The annual electricity savings are calculated by comparing the UPS efficiency in eConversion mode vs. double conversion mode.



Calculate your savings with our eConversion vs. Double Conversion Calculator

Learn more about eConversion mode

Future-proof data centers

Expand power with no scheduled downtime and no extra footprint with Live Swap

Galaxy PX's modular and scalable design supports the TUV-verified Live Swap of power modules, optimizes your up-front capital investment, provides you with power continuity, and gives you more flexibility to expand power and pay as you grow.

Predict your investment over time with a modular, scalable design.

Right-size your power protection and redundancy from day one to maximize your operating efficiency, sustainably minimize your energy consumption, and optimize your TCO.

Live Swap
Regular Product Surveillance
TÜVRheinland CERTIFIED
www.tuv.com
ID 1111316040

Scale fast with no scheduled downtime and keep your employees safer.

Modular design and Live Swap make just-in-time data center expansion effortless, with no scheduled downtime, enhancing business continuity.

Live Swap makes it simple and fast to add, replace, or remove power modules while the Galaxy PX UPS is online and fully operational, increasing protection for your employees.

Pay as you grow.

Scale power instantly in 67 kW increments from 300 kW to 600 kW as your power requirements evolve.

Galaxy PX has been engineered to ensure touch safety and to mitigate risks of arc flash and shock:

Galaxy PX with Live Swap is Schneider Electric's response to national and local electrical safe work practices regulations. For more information about how Live Swap systems keep energy incident levels below 1.2 cal/cm2, read WP-13, Mitigating Electrical Risk While Swapping Energized Equipment.



The input and output wiring section is isolated from the power module section

The power module area is compartmentalized

Protective section barrier

Touch-compliant connectors and fuses in the power module slot reduce the energy levels during the insertion or replacement of the power module.

Galaxy Lithium-ion battery solutions

Save space and the environment

Galaxy Lithium-ion Battery Cabinets achieve total space savings of up to 70% compared with VRLA battery solutions. Pair your Galaxy PX UPS with Galaxy Lithium-ion Battery Cabinets to achieve the most compact, high-density footprint in the market.

As a first mover with a vast installed base, Schneider Electric has developed its own Galaxy Lithium-ion battery solution that also delivers these benefits:

- Optimize TCO and achieve sustainability targets by doubling your battery life.
- Recharge 2–3x faster than VRLA solutions.
- Simplify and speed up installation with our internal power supply.
- Enhance battery safety with three levels of battery management system (BMS).

Galaxy PX is available with a full range of options and accessories that ensure the best performance in any environment, including Galaxy Lithium-ion and classic battery cabinets to meet any site requirement.



Lithium-ion compared to VRLA batteries

Higher operating temp. (less cooling)

2–3X expected life

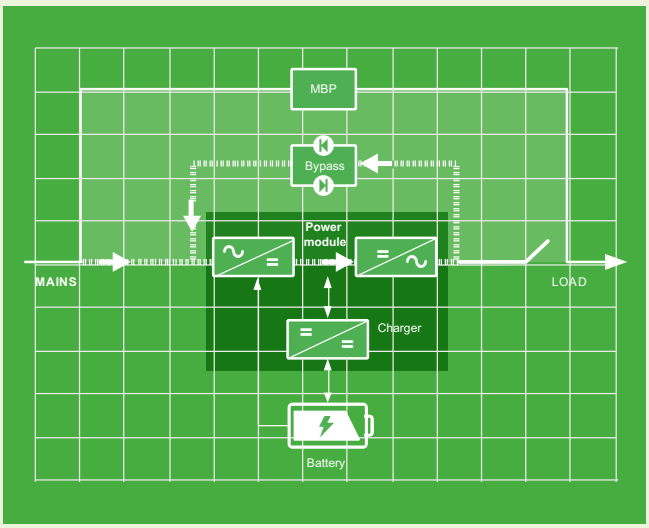
60–70% less weight

2–3X faster recharge

Speed up deployment time and reduce start-up costs by using the Smart Power Test (SPoT) mode before connecting your critical building or facility load

SPoT mode enables the Service Engineer to test the UPS with full capacity current flow through important components and converters without using a large system input current, and without needing a load bank connected to the system or other system modifications.

- Easy method to test the UPS at full power
- Can be conducted after service, repair, upgrade, or commissioning of UPS installation to verify system is properly installed
- Reduce risk to load and improve product quality
- Significant cost, time, and power savings



Reliable power for modular growth

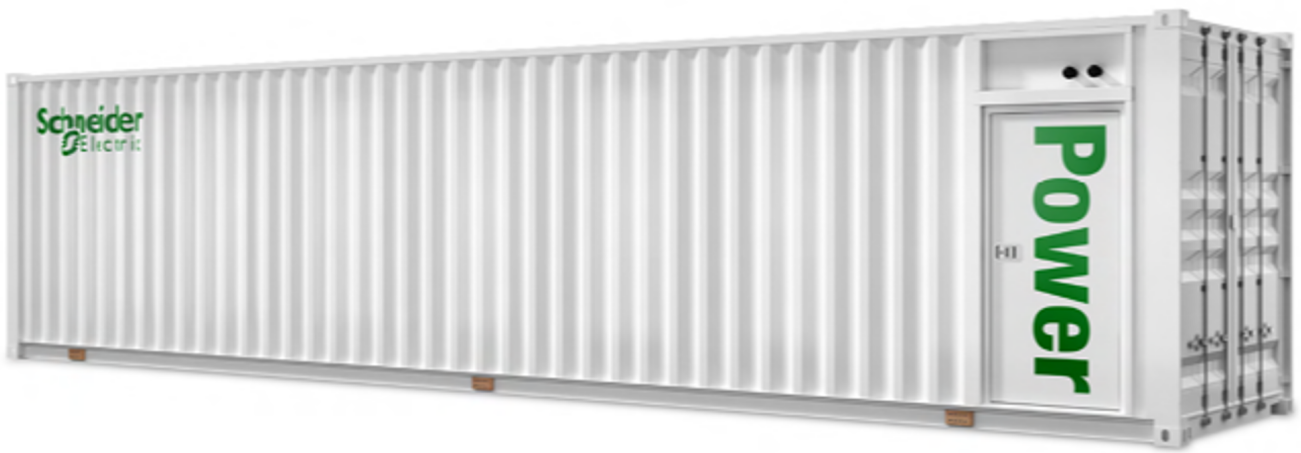
As data center operators seek to scale efficiently, resilience and speed to market have become key differentiators. To meet these demands, many are turning to prefabricated modular data centers for faster deployment, simplified planning, and predictable performance. Integrated 3-phase UPS systems further enhance these benefits by delivering high efficiency and scalable power protection that supports higher loads, reducing your footprint and optimizing energy efficiency and uptime.

Prefabricated modular data centers:

1 **Combine power, cooling, and IT infrastructure into one cohesive, independent solution.**

2 **Complement your internal IT build by utilizing external modular power and cooling.**

3 **Utilize remote monitoring software and services to implement equipment connectivity and leverage IoT.**



Key benefits of a modular data center with **Galaxy PX** include:

- **Flexibility:** Rapidly deploy compute capacity in remote, outdoor, or unconventional spaces, without the need for new construction. Galaxy PX supports scalable power delivery in a compact footprint, making it ideal for modular and space-constrained environments.
- **Predictable performance:** Modular data centers that incorporate Galaxy PX are factory-assembled and tested to ensure consistent quality, reducing risk of cost overruns and delays.
- **Pre-configured, customizable solutions:** Start with pre-configured reference designs and tailor them to your specific requirements. Our modular approach includes flexible configurations that can be right-sized to your load and easily adapted as your needs evolve.

Incorporating a Galaxy PX 3-phase UPS solution into the modular data center further strengthens the offering by delivering robust, scalable power protection that supports high-density IT loads and continuous uptime—critical for maintaining resilience and efficiency in modular environments.

Visibility and peace of mind

Secure Network Management Card System

Bolster your cybersecurity strategy with firmware updates.

As cybersecurity is a leading concern for business interruptions, the **Secure Network Management Card (NMC)** System is our commitment to deliver secure products, utilizing secure development processes, and reliable update management reducing exposure to cybersecurity attacks.

The Schneider Electric Network Management Card is independently certified to the IEC 62443-4-2 standard by TÜV Rheinland. Additionally, our development processes are certified to both IEC and ISA Security Standards.

Ongoing security compliance

More and more cybersecurity breaches are linked to neglected firmware. Our new Secure NMC System (SNS) will help you:

- Reduce exposure to attack and minimize downtime — protect your connected devices with the latest security updates.
- Achieve consistent compliance — protect your business with the only NMC firmware independently certified to the highest cybersecurity compliance level (IEC 62443-4-2).
- Never become out of date—Keep your NMC firmware current through the Secure NMC System, delivered your way with Schneider Electric-managed updates during commissioning and maintenance activities*, through on-demand updates using the Secure NMC System Tool with an SNS subscription, or a combination of both.

Learn more at https://www.se.com/secure-nmc

* Requires an Advantage Plan service contract or EcoCare for 3-Phase UPS membership with on-site maintenance; contact your Schneider Electric representative for availability.

EcoStruxure IT enables resilient, secure, and sustainable data centers and IT environments

Schneider Electric's comprehensive data center infrastructure management (DCIM) solution, EcoStruxure™ IT , strengthens business continuity by enabling secure monitoring, management, insights, planning, and modeling—whether from a single IT rack to hyper-scale IT—on-premises, in the cloud, and at the edge.

With the included Network Management Card, you can deploy EcoStruxure IT software and services to enhance monitoring and management of your Galaxy PX.

Resilient **Secure** **Sustainable**

Easy visibility

Monitoring and management software that streamlines data center device management:



EcoStruxure IT Expert provides you a hands-on approach with **cloud-based** monitoring software that synthesizes and analyzes performance and alert data into proactive recommendations and enables wherever-you-go visibility from any device. Try it now



EcoStruxure Data Center Expert is a scalable end-to-end **on-premise** monitoring software that collects, organizes, and distributes critical device information, providing a comprehensive view of your company-wide multi-vendor physical infrastructure.

Operations, optimized

Planning and modeling software transforms data into performance insights:



EcoStruxure IT Advisor is a data center infrastructure planning and modeling solution that provides Data Center Managers in large enterprises and colocation data centers with full insights into their infrastructure to improve profitability, sustainability, and resiliency.



Enhanced uptime with the right service plan

EcoCare membership, a next-generation service plan from day one

An innovative product needs an innovative service. EcoCare membership is a service plan that helps keep UPSs running through advanced analytics and AI models combined with priority access to technical experts.

How does it work?

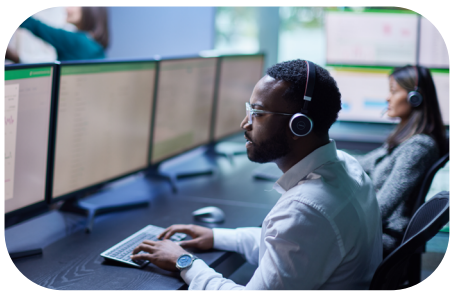
Critical UPS data points such as wear, aging, and temperature of key components are analyzed within our EcoStruxure IoT platform and monitored 24/7 by our Connected Services Hub, delivering key benefits such as:

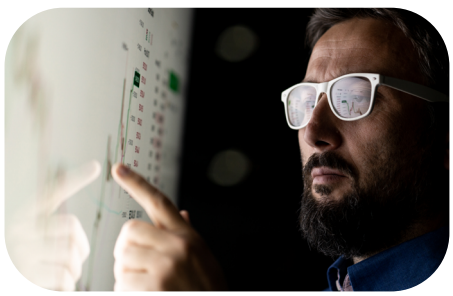


Priority access to technical support

Efficient maintenance tomorrow

Optimized lifespan and budget management







Exclusive support in case of emergency

EcoCare members get the right support at the right time with:

- 24/7 remote monitoring and alarming from our Connected Services Hub, allowing us to proactively identify and address any anomalies before they disrupt your operations
- Premium access to technical experts, on-site and remotely, along with Customer Success Managers and preferred SLAs, helping to reduce mean time to repair (MTTR)
- Access to training resources designed to empower your team to troubleshoot in case of anomalies, as well as exclusive member rates on spare parts, training, and on-site intervention

Efficient maintenance tomorrow

Leveraging our maintenance index, we collect operational data and remotely monitor the condition of each asset and component to enable a condition-based maintenance approach in the future. This approach helps optimize on-site maintenance activities and boost uptime by adjusting the maintenance intervals as required, based on the current condition of the equipment, while helping to reduce operational costs.

Optimized lifespan and budget management

We offer continuous insight into the overall health of the equipment by providing the remaining useful life for each individual critical component of your UPS utilizing our Health Index, reducing the need for premature replacements and associated capital expenditures and reducing carbon footprint.

Learn more

* EcoCare for 3-Phase UPS is being progressively launched; contact your Schneider Electric representative for availability.

Specifications

Galaxy PX	Features
Nominal power rating (kVA = kW)	300, 400, 500, 600
Scalability	From 300 kW to 600 kW with 67 kW power module increments
N+1 power ratings	Up to 500 kW N+1
Technical rating	300, 400, 500, 600 kW
Topology	On-line double conversion, eConversion
Key features	
Modular design	Power module, static switch, power supply unit, intelligence module
Third-party verified Live Swap Power Module	Power module
Display	7-inch color touch display, mimic diagram on display
Cabinet Type	Standalone, White (RAL9003)
Emergency stop (EPO)	Yes, dry contact
Smart Power Test (SPoT)	Yes
Efficiency	
Double conversion mode	Up to 97.5%
Class 1 eConversion mode	Up to 99%
ECO mode	Up to 99%
Input	
Rated voltage	380/400/415 VAC
Input voltage range at full load (V)	320–460
Single mains/dual mains	Single mains as standard. Easily converted to dual mains
Input current total harmonic distortion (THDI)	<3% for linear load
Input power factor	>0.99 at full load
Cable entry	Top
Input backfeed protection	Input: built-in backfeed relay and fuses Bypass: dry contact signal
Maximum short-circuit rating	65 kA
Output	
Nominal output voltages	380/400/415 VAC
Load power factor	PF=1 @ 40 °C (104 °F) without derating 0.7 leading to 0.7 lagging without derating
Voltage regulation	+/- 1% (symmetrical load)
Frequency	50/60Hz +-0.1% free running
Overload normal operation	1 min at 150%, 125% for 10 min, 110% for 60 min
Overload battery operation	1 min at 125%
Output THDU on linear load	<1%
Output THDU on non-linear load	<3%
Output performance classification	VFI-SS-11
Paralleling	
Parallel capability	Parallelable for capacity (2.4 MW) or redundancy (1.8 MW N+1)

Galaxy PX	Features
Batteries	
Battery type	VRLA/Lithium-Ion
DC bus/number of VRLA battery blocks	480–576 V (40–48 blocks)
Float voltage	545–654 V
Charging power	5%–60% (selectable)
Number of supported battery breakers	4
Breaker trip function	UV or shunt trip release coil on the battery breaker
Temperature compensation	-3.3 mV/°C/cell, for T >= 25 °C 0 mV/°C/cell, for T < 25 °C
Maximum short-circuit level	25 kA
Battery test	Manual/automatic (selectable)
Note: Battery specifications are based on VRLA batteries.	
Environment	
Operating temperature	0 °C to 55 °C with load derating above 40 °C
Storage temperature	-25 ° to 55 °C
Humidity	0 to 95% non-condensing
Elevation/altitude	1,000m 100% load; up to 3,000m with derating
Audible noise at 100% load	78 dB
IP level (Ingress Protection)	IP20
Dust	Air filter included
Conformance coating	On PCBA
Dimensions	
300–600kW UPS (HxWxD)	1991 x 600 x 1,000 mm
Weight	300 kW UPS: 468 kg 600 kW UPS: 602 kg
Accessories	
Galaxy Lithium-ion Battery Cabinet	Classic battery cabinet
BMS Li-Ion Communication Interface kit	Empty battery cabinet
Lithium-ion battery cabinet AC power supply	Battery breaker box
Redundant controller	Battery breaker kit
SmartSlot kit	Battery temperature sensor
Network Management Card (AP9640, AP9641)	400 W battery breaker trip power supply
Parallel kit	PEN busbar kit

*Preliminary specifications – can be subject to changes.

Schneider Electric™

To learn more about the Galaxy PX UPS, contact your Schneider Electric Services Representative or visit

se.com/ups

About Schneider Electric

We are your energy technology partner.

We electrify, automate and digitalize every industry, business and home, driving efficiency and sustainability for all.

We have always been at the forefront of energy and technology, leading the convergence of electrification, automation, and digital intelligence into what we define as energy technology.

We invent the technology that makes the New Energy Landscape possible, enabling buildings, data centers, factories, plants, infrastructure, and grids to operate as open software-defined systems. Through platforms like EcoStruxure, we go beyond connectivity. We embed intelligence at every level, which unlocks the full value of energy and resources for our customers by simplifying complexity and enabling smarter, more efficient operations across every sector. No one else offers our breadth from the power edge to the production line. We don't just connect systems; we create ecosystems where AI, data, and people work together seamlessly.

As an impact company, we believe performance and purpose go hand in hand. With an inclusive culture at our core, we empower everyone to play a part in building a more sustainable and resilient future.

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