

A photograph of a large industrial facility, likely a refinery or chemical plant, at night. The scene is illuminated by numerous bright lights, creating a high-contrast image against a dark sky with scattered clouds. Several tall, cylindrical distillation columns are visible, along with a complex network of pipes, walkways, and structural steel. One prominent column on the right has a red and white striped section near its top. The overall atmosphere is one of intense industrial activity.

Galaxy PW 2nd Gen

Secure and reliable 3-phase UPS
for industrial applications

3:1: 10-120 kVA

3:3: 10-200 kVA

se.com/ups

Life Is On

Schneider
Electric

Reliable power solutions for industrial applications

Industry 4.0 requires a reliable power source and predictable, manageable power protection.

You need a solution that adapts to harsh environments and variable load conditions and applications, and ensures continuous power availability



Customer challenges:

Stable, secure, predictable production schedules are essential, and customers cannot accept the risk of unpredictable equipment operation caused by these issues:



Complex applications and malware risks



Environmental factors, such as temperature, humidity, dust, and vibration



Power quality issues caused by unpredictable harmonics, sags, overvoltages, pulse spikes, overloads, or short circuits



Complex load types and power conditions, and their effects on each other in the entire power system



Other considerations



Simple
Maintenance



Brand



Use Cases

In the face of these challenges, Galaxy PW 2nd Gen is the solution you need.

Galaxy PW 2nd Gen: high reliability and predictability












Galaxy PW 2nd Gen
3:1: 10-120 kVA
3:3: 10-200 kVA



Galaxy PW 2nd Gen with
IP31 protection

Applications

-  Oil & Gas
-  Metals
-  Power plants
-  Healthcare
-  Semiconductor
-  Airport
-  Food & Beverage
-  Marine
-  Mining

Exceeds your expectations

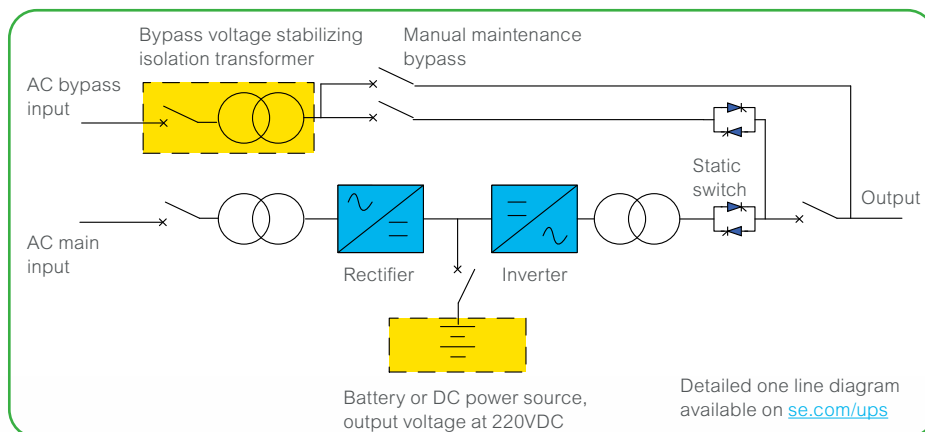
► Features of Galaxy PW 2nd Gen:

- Allows for complete electrical isolation of the UPS inputs and outputs, with built-in input/output isolation transformer¹
- Adapts to environments with high dust, high humidity, or corrosive gases, with conformal coating on PCB boards
- Resilient in industrial applications, with built-in IP31 protection and optional IP42 kits
- Standard 40kA lightning protection module
- Upstream and downstream breaker coordination delivered by Schneider Electric circuit breakers
- Increase power system availability and reliability with parallel installation of up to 3+1 UPSs
- Easily manage the UPS, with the standard 7" color touch screen that features intuitive system menus
- Redundant design for critical power components such as controllers
- Full digital signal processor control
- Front access for service

¹ Transformer is built-in by default:
- 3:1 UPS: input/output transformer
- 3:3 UPS: output transformer only

Schneider Electric has over 60 years of experience in UPS design and production

The next generation of Galaxy PW



Visibility and peace of mind

When you buy the optional SNMP card, you can manage and monitor your Galaxy PW 2nd Gen UPS from anywhere, at any time, on any device, thanks to EcoStruxure IT software and services.

EcoStruxure leverages advancements in IoT, mobility, sensing, cloud, analytics, and cybersecurity to deliver Innovation at Every Level. EcoStruxure IT Expert and EcoStruxure Asset Advisor are cloud-based solutions that provide you with enhanced visibility and data-driven insights to optimize data center resiliency and performance.

When it comes to IT critical equipment monitoring, are you more hands-on or hands-off?



Visibility anywhere, anytime

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

Try it free for 30 days: www.ecostruxureit.com/ecostruxure-it-expert/#trial



24/7 remote monitoring and troubleshooting

EcoStruxure Asset Advisor* for secure power and cooling provides a hands-off approach with 24/7 remote monitoring service by the Schneider Electric service bureau engineers. We monitor and troubleshoot while you relax.

* Contact your local representative for availability

Comprehensive on-site services

Provides optimal system lifetime

Start-up service

- Commission the installation in accordance with manufacturer's recommendations. Ensure optimal system performance from Day 1

Schneider Electric-certified installation services

- Expert configuration of your equipment for optimal performance and reliability

Maintenance services

- Ensure proper care of your mission-critical applications
- Preventive maintenance and response time upgrades, where available

Flexible service plans / on-site extended warranty

- Hassle-free system maintenance.
- Improve uptime at a predictable cost

3:1 UPS Technical Specifications

Capacity (kVA) DC busbar voltage 220V DC	10	20	30	40	50	60	80	100	120
AC main input									
Rectifier architecture	6 pulse or 12 pulse								
Main input and bypass input	Supports dual inputs								
Rated input voltage	380 / 400 / 415V								
Input voltage range	304 - 456V								
Input frequency range	50Hz+/- 10%								
TVSS	40kA								
Bypass input									
Rated input voltage	220V								
Input voltage range	165 - 275V								
Battery system									
Battery system voltage	220V DC, supports external DC panel								
Cold start	Supports DC cold start								
Output									
Power factor	0.8								
Nominal output voltage and accuracy	220V +/- 1%								
Overload capability	1 min @ 150%								
	10 min @ 125%								
	110% continuous								
Environmental and Equipment Parameters									
Operating temperature	0-40°C								
Humidity	0 – 95%								
Storage temperature	-25°C to 55°C								
Altitude	1000 meters and below without derating								
Communication interface	Modbus RS232/485, standard dry contact; SNMP (optional)								
Standard degree of protection	IP31								
Dimensions									
Depth*Height (mm)	800*1800 ¹								
Width (mm)	800				1200			1600	
Standard color	industrial gray (RAL7035)								
Standard									
Safety	IEC62040-1-2017								
Electromagnetic compatibility	IEC61000-4-5								
Battery emissions	IEC62040-2-2018								
Certifications	CE / CB/ type test report / EMC / ROHS2 / Reach / YDT1095-2018								

This height does not include the height of the included IP31 kit. The height with the IP31 kit is 2100mm.

3:3 UPS Technical Specifications

Capacity (kVA) DC busbar voltage 384VDC	10	20	30	40	60	80	100	120	160	200
AC main input										
Rectifier architecture	6 pulse or 12 pulse									
Main input and bypass input	dual inputs									
Rated input voltage	380 / 400 / 415V									
Input voltage range	304 - 456V									
Input frequency range	50Hz+/- 10%									
TVSS	40kA									
Bypass input										
Rated input voltage	380 / 400 / 415V									
Input voltage range	285 - 475V									
Battery										
Battery voltage	384V DC adjustable									
Cold start	Supports DC cold start									
Output										
Power factor	0.8									
Nominal output voltage and accuracy	+/- 1%									
Overload capability	1 min @ 150%									
	10 min @ 125%									
	110% continuous									
Environmental and Equipment Parameters										
Operating temperature	0-40°C									
Humidity	0 – 95%									
Storage temperature	-25°C to 55°C									
Altitude	1000 meters and below without derating									
Communication interface	Modbus RS232/485, standard dry contact; SNMP (optional)									
Standard degree of protection	IP31									
Dimensions										
Depth*Height (mm)	800*1800 ¹									
Width (mm)	800						1200		1600	
Standard color	industrial gray (RAL7035)									
Standard										
Safety	IEC62040-1-2017									
Electromagnetic compatibility	IEC61000-4-5									
Battery emissions	IEC62040-2-2018									
Certifications	CE / CB/ type test report / EMC / ROHS2 / Reach / YDT1095-2018									

This height does not include the height of the included IP31 kit. The height with the IP31 kit is 2100mm.

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To learn more about the Galaxy PW 2nd Gen 3-phase uninterruptible power supply (UPS), EcoStruxure IT cloud-based DCIM, and EcoStruxure Asset Advisor 24x7 Digital Monitoring Services, contact your Schneider Electric representative or visit [se.com/ups](https://www.se.com/ups)

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. www.se.com

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