



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

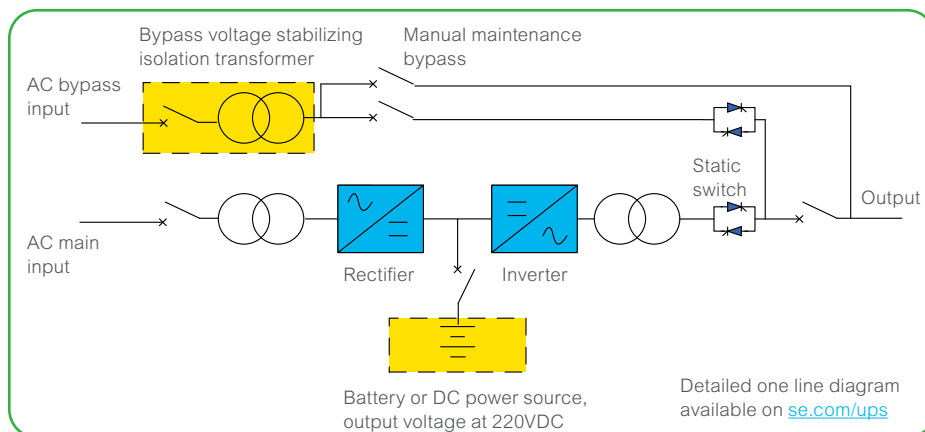
► Features of Galaxy PW 2nd Gen:

- 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



UPS remote monitoring and maintenance



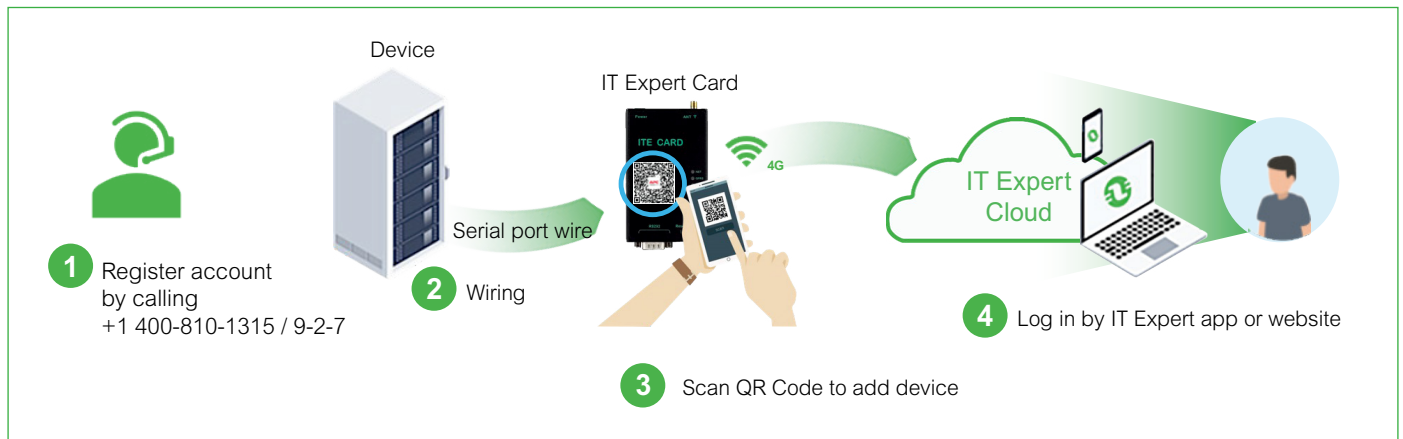
EcoStruxure IT Expert* UPS digital management platform

IT Expert gives you one view to proactively monitor and manage your UPS, wherever you are. Gain more than alarms, with full visibility, predictive management, and data-driven recommendations to mitigate security and failure risks for local edge, distributed IT, and data center applications. IT Expert cloud gateway is used to connect the UPS and the IT Expert platform.

IT Expert key features:

- Real-time monitoring
- Multiple notification methods – Tel, SMS, app push, Web pop-up
- Mobile app
- Overview page
- Report
- No networking or VPN required; manage devices anytime and anywhere
- No maintenance required

Fast deployment via IT Expert 4G gateway:



Comprehensive on-site services

Start-up service: included with UPS

- 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

Secure NMC System (SNS)**: 1 year subscription included with UPS

- Protect your business by ensuring your connected devices are secure from unknown threats and compliant with changing regulations

*AP9547 Network Management Card is required to use EcoStruxure IT Expert.

**Not available in China; consult your local representative for availability

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 and 12 pulse							12 pulse only		
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; AP9547 Network Management Card (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									
Accessories										
Backfeed kit										

¹This 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 only						12 pulse only				
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; AP9547 Network Management Card (optional)										
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Accessories											
Backfeed kit											

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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)

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