EcoStruxure™
Innovation At Every Level

Galaxy RPP

Highly configurable, highly modular,
high-density power distribution for
data centers and colocation facilities

schneider-electric.com

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Scalable power distribution tailored to your application

Galaxy RPP (Remote Power Panel) is a reliable, scalable, and intelligent high-density power distribution expansion solution for data centers and colocation facilities.

It offers flexible configuration with factory installed and tested Square D™ breaker panels configured to meet the unique needs of your site. Built for efficient and reliable installation, the compartmental design separates monitoring, distribution, control, and main input breaker sections, giving the customer the flexibility to selectively provide access to trained users.

The 7-inch display interface and Schneider Electric Branch Circuit Power Meter provide the level of monitoring your site requires, and the RPP is EcoStruxure Ready™ for anytime, anywhere monitoring.

Reliable

Galaxy RPP is engineered by the makers of legendary SquareD circuit breakers and panel boards, incorporating over 100 years of leadership in electrical distribution. Galaxy RPP is supplied with your choice of industry-leading Square D NP, NQ, or IP2X panelboard and QO or QOB breakers.

Scalable

Galaxy RPP meets the demanding scalability needs of any large data center, delivering maximum flexibility with branch breaker choices you can add quickly as the data center needs change.

Intelligent

Galaxy RPP can be monitored with our EcoStruxure™ IT software, cloud-based or on-premise data center infrastructure management applications that offer end-to-end power management of your data center.
The software enables remote monitoring of power and breaker status data to intelligently manage power in a large data center.

Easy to install and service

The clean layout of the RPP offers ease of installation and serviceability. The thoughtful and extensive compartmental design simplifies your asset access allocation, and finger-safe covers offer additional protection. Top and bottom cable entry bring the best to your data center layout.

Low ownership costs

Galaxy RPP features a space-saving, high-density system that is easy to install almost anywhere in your data center – back to back with another RPP, against a wall, or in a Schneider Electric EcoStruxure Pod Data Center configuration.

Typical applications

- Data centers of any size
- Colocation facilities
- Cloud service providers

Galaxy RPP is compatible with all Schneider Electric Power Distribution Units. For more details, contact your Schneider Electric representative or visit se.com.

Galaxy RPP is the power distribution backbone of the Schneider Electric EcoStruxure Pod Data Center, a clean, cost efficient and quick way to deploy IT at a large scale.
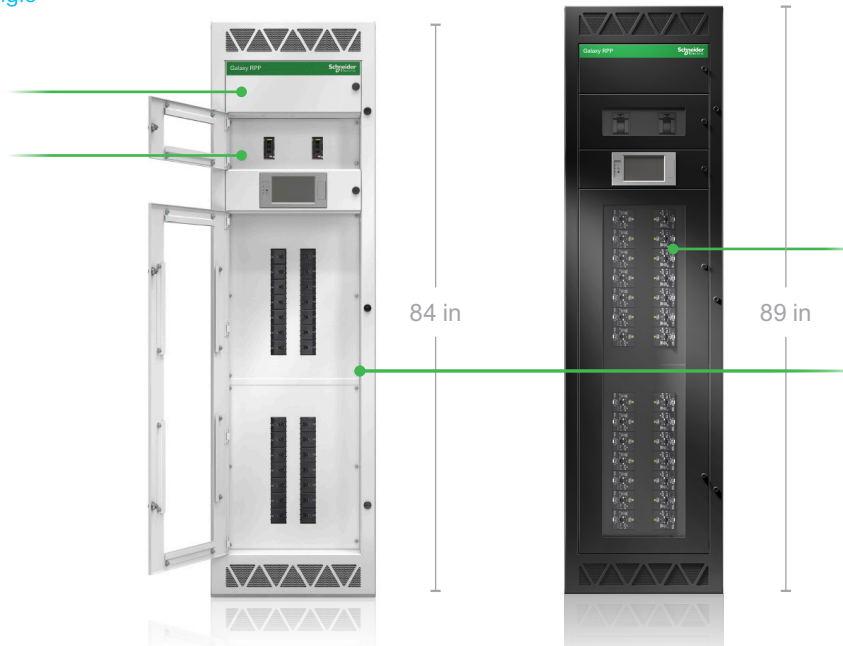
Innovative features that make a difference

Quickly install and easily service the Galaxy RPP with input, output, electronic, and power distribution compartments that isolate each installation, operation, or maintenance task:

PowerLogic Branch Circuit Power Meter supports single or dual feed installations

Meters and electronics compartment delivers your remote monitoring needs

Main input breaker and surge suppression compartment

84 in

89 in

Top and Bottom feed installation supported

Panel Board Compartment:

Choose the panelboard that matches your site power requirements:

NQ Panelboard (240V max)
NF panelboard (480V max)
IP2X panelboard (240V max)

Benefits of the embedded PowerLogic Branch Circuit Power Meter (PBCPM)

Harness industry-leading monitoring capabilities for maximum power reliability. The PowerLogic BCPM provides power and energy data on branch circuits and mains in a power distribution unit or remote power panel, giving you an accurate vision of your capacity, energy use, and reliability.

The PowerLogic BCPM offers these outstanding features, giving you a clear business advantage:

- Offers the widest dynamic monitoring range within its class – helps you identify unused or overextended capacity

- Best-in-class low-current monitoring – allows you to differentiate small loads from potential circuit breaker trips

Options

Choose the Square D components that will be factory-installed in your Galaxy RPP:

Main input breakers
- L-frame breakers
- J-frame breakers

Surge protection devices

Panel boards
- NQ
- NF
- IP2X

Breakers
- QO™
- QOB
- EDB

Flexible installation and reduced footprint

Maximize the space you use for revenue-generating equipment with Galaxy RPP.
Its compact footprint and front-access design support multiple types of installation:

Schneider Electric EcoStruxure Pod Data Center™

EcoStruxure™ Pod Data Center is a freestanding support structure specifically designed for data center solutions.

Wall

Back-to-back

Easily managed accessibility

Easily manage user access to the Galaxy RPP components with thoughtful compartment design

Installation / commissioning

Service personnel access

Accessibility to main power circuits during installation

Unique lock and key to manage user access

Operation

Standard user access

No accessibility to live parts

Maintenance/Service (Electronics Compartment)

Service personnel access

Accessibility to electronic circuits

Unique lock and key to manage user access

Versatile applications

Galaxy RPP is a valuable, vendor-neutral tool for expanding the power distribution capacity of any 3 phase power distribution unit.

Expand the capacity of your data center quickly and efficiently with the scalable Galaxy VX UPS, and distribute power to your new server racks with Galaxy RPP.

Galaxy VX 1250 kVA UPS

400 or 500 kVA
Power Management Module

Galaxy RPP

Use Galaxy RPP to seamlessly add distribution capacity to these PDUs:

- 400 and 500 kVA Power Management Modules
- 100 to 300 kVA Power Management Modules
- EcoStruxure Pod Data Center
- Any existing 3 phase power distribution unit in your data center

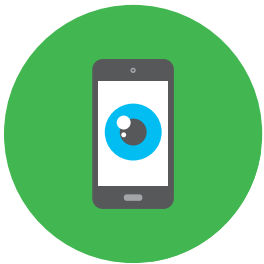400 or 500 kVA Power Management Module

EcoStruxure Pod Data Center

EcoStruxure IT gives you visibility and peace of mind

Manage and monitor your Galaxy RPP 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 for free for 30 days: ecostruxureit.com/ecostruxure-it-expert/#trial

24x7 remote monitoring and troubleshooting

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

Technical specifications

	GRPPNQ84	GRPPIP2X84	GRPPNF84	GRPPNQ89	GRPPIP2X89	GRPPNF89
Input specifications						
Input voltage	240	240	480	240	240	480
Connections	L1, L2, L3, N, PE					
Maximum input current (A)	Values depend on chosen main input device – check the breaker rating on the RPP: 1 x 250 A 100%, 1 x 250 A 80%, 2 x 250 A 100%, 2 x 250 A 80% 1 x 400 A 100%, 1 x 400 A 80%, 2 x 400 A 80%					
Frequency (Hz)	60					
Maximum short circuit rating (kAIC)	65	65	35	65	65	35
Output Specifications						
Output voltage	240	240	480	240	240	480
Connections	L1, L2, L3, N, PE					
Nominal output current (A)	Values depend on chosen main input device – check the breaker rating on the RPP: 1 x 250 A 100%, 1 x 250 A 80%, 2 x 250 A 100%, 2 x 250 A 80% max. 1 x 400 A 100%, 1 x 400 A 80%, 2 x 400 A 80% max.					
Frequency (Hz)	60					
Communication	7-inch touchscreen display display - Modbus, TCP/IP, Ethernet, RS485, SNMP, BACnet/IP					
Model Operations	GRPPNQ84	GRPPIP2X84	GRPPNF84	GRPPNQ89	GRPPIP2X89	GRPPNF89
Main input device						
250A MCCB	x	x	x	x	x	x
400A MCCB	x	x	x	x	x	x
Panel boards*						
1 x NQ42	x			x		
2 x NQ42	x			x		
1 x NQ84	x			x		
1 x NF42			x			x
2 x NF42						x
1 x NF84			x			x
1 x IP2X 42		x			x	
2 x IP2X 42		x			x	
Extra cabinet (empty or for additional main input device(s) and panelboard(s)	x	x	x	x	x	x
Main input device terminals						
Mechanical lugs	x	x	x	x	x	x
Compression lugs	x	x	x	x	x	x
Cable entry						
Top	x	x	x	x	x	x
Bottom	x	x	x	x	x	x
Surge protection: 100 kA per phase**	x	x	x	x	x	x
Environmental						
Operating temperature	-10 °C to 40 °C (14 °F to 104 °F)					
Storage temperature	-25 °C to 55 °C (-13 °F to 131 °F)					
Compliance						
Safety	UL 60950-1, 2nd Edition CSA C22.2 No. 60950-1-07, 2nd Edition UL 891, 12th Edition C22.2 No.244, 2nd Edition					
FCC	FCC Part 15, Subpart B, Class A					
Marking	cULus					
Seismic	OSHPD (contact Schneider Electric for more information)					
Warranty	1 year					

"*The panelboard options listed here fit into one cabinet.
**The surge protection option is available for cabinets with only one main input device installed."

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To learn more about the EcoStruxure Ready Power Distribution Units, Remote Power Panels, EcoStruxure™ IT cloud-based DCIM, and EcoStruxure Asset Advisor 24x7 Digital Monitoring Services, contact your Schneider Electric representative or visit:

schneider-electric.com/itpowerdistribution

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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