



Eaton 5P lithium-ion rackmount UPS

Delivering business continuity and advanced management for edge computing environments

Progression in battery technology and remote management come together to make the 5P lithium-ion rackmount UPS a necessity for edge computing environments. Now, you can simply set it and forget it by deploying the 5P without the maintenance and refresh challenges of a UPS utilizing lead-acid batteries.

Building on the success of the 5P UPS platform, Eaton has reduced the weight, improved battery life and lengthened our warranty. These added benefits, in combination with the extended life of the product, provide you with the opportunity to align your UPS refresh cycles with the rest of the IT stack, saving time and money spent on labor and replacement batteries.



Eaton's 5P lithium-ion battery pack with on-board battery management — increases cycle life in higher temperature environments.



Powering Business Worldwide

Value-added benefits:

Performance

2-3X longer battery lifespan allows you to “set it and forget it” — a perfect value-add for remote edge environments.

Resiliency

3X faster recharge following power disruptions reduces vulnerability and improves uptime.

Safety

On-board battery management system (BMS) monitoring in combination with proven Lithium Iron Phosphate (LiFePO₄) chemistry provides a reliable and safe offering.

Intelligence

BMS provides up-to-date insight into battery performance, charge cycles and active temperature monitoring to keep you informed on the lifecycle of your UPS battery.

Installation

Lightweight design that is 20% less weight than a comparable lead-acid UPS in combination with versatile mounting options (including wallmount) allow for ease of deployment.

Guarantee

5-year all-inclusive (electronics and battery) warranty, provides peace of mind.

5P LITHIUM-ION RACKMOUNT SELECTION GUIDE*

Catalog number	Rating (VA/watts)	Input connection	Output receptacles	Dimensions (H x W x D), in	Net weight, lb
1U Rackmount, 120V, 50/60Hz model					
5P1500R-L	1440/1100	5-15P	(5) 5-15R	1.7 (1U) x 17.2 x 21.8	35
1U Global Rackmount, 208V/230V, 50/60Hz model					
5P1550GR-L	1550/1100	C14	(6) C13	1.7 (1U) x 17.2 x 21.8	35

*Due to continuous product improvement programs, all specifications are subject to change without notice.

Please visit Eaton.com/5Prm to view complete and updated product specifications, including complete battery runtimes.

5P lithium-ion Options

Catalog number	Description
NETWORK-M2	Gigabit Network Card
EMPDT1H1C2	Environmental Monitoring Probe (EMP) Gen 2 for use with Network-M2
RELAY-MS	Relay / Serial Interface Card
Mounting hardware	
RK2PA	1U two-post rail kit (optional)

What's in the box

- 5P UPS
- Quick start guide
- USB cable
- RS-232 serial cable
- 4-post rail kit
- 2 IEC-to-IEC jumper cables*
- Output cable locking system*

*Included with 5P1550GR-L

Rear panel overview

Model: 5P1500R-L



- 1 5-15P input
- 2 RS-232 serial communications port and USB port (cables included)
- 3 Remote power off (RPO) and remote on/off (ROO) port
- 4 Ground bonding screw
- 5 Primary outlets: (2) 5-15R always on
- 6 Load segment group 1: (2) 5-15R managed outlets
- 7 Load segment group 2: (1) 5-15R managed outlet
- 8 Network card slot

Rear panel overview

Model: 5P1550GR-L



- 1 C14 Input
- 2 RS-232 serial communications port and USB port (cables included)
- 3 Remote power off (RPO) and remote on/off (ROO) port
- 4 Ground bonding screw
- 5 Primary outlets: (3) C13 always on
- 6 Load segment group 1: (2) C13 managed outlets
- 7 Load segment group 2: (1) C13 managed outlet
- 8 Network card slot

Lithium-ion vs. lead-acid

Characteristic	VRLA battery	Lithium-ion battery	Lithium-ion benefit
Average battery lifespan	3–4 years	8 years	2–3X longer life
Recharge time to full capacity	24 hours	6–8 hours	3X faster recovery
Battery weight	19 lb.	11 lb.	40% lighter weight
Battery replacement cost	\$520*	\$0	\$0 OpEx expenditure
Warranty	3 years	5 years	1.7X warranty coverage

*Battery and labor cost for one replacement



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