

Lithium-ion battery



Cost-effective

Compact

Safe

Power on demand

Eaton's lithium-ion battery systems provide a reliable and flexible solution that ensures 24/7 system uptime while delivering significant total-cost-of-ownership (TCO) savings. Capable of providing megawatts of power in a small footprint, this battery solution is comprised of lightweight battery strings designed to seamlessly connect to a Power Xpert 9395P or Eaton 93PM UPS.

Why lithium?

Lithium-ion chemistry demonstrates superior characteristics in UPS applications, this results in high energy density, long life, flexible installation, improved life cycle and a lower TCO.

Management and monitoring system

The lithium-ion battery integrates a powerful battery management system (BMS), providing cell protection (temp, current, over/under voltage), cell balancing, state of charge and health and alarms/reports.

Protection: The BMS processes critical parameters such as voltage levels, temperature, and current at the module and solution levels. Abnormal conditions (warnings and alarms) are quickly detected and, if necessary, the BMS will protect the system from damage by disconnecting the affected battery.

Performance optimization: The BMS incorporates cell and module balancing controls. This function optimizes the voltages of each module to maximize performance and increase service life.


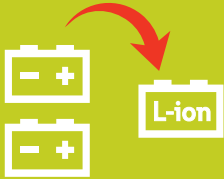

Backup battery runtimes

Contact Eaton for backup times and configurations. A wide range of runtimes from 5 minutes to an hour+ are available.



Powering Business Worldwide

Benefits of lithium-ion

Save money	15 year design life 
Save space	8x cycle 40% smaller 60% lighter 
Reduce risk	24/7 BMS monitoring 

TECHNICAL SPECIFICATIONS¹

Nominal voltage	486 V
Minimum voltage (DC under voltage trip point – DCUV)	410 V
Float voltage	538 V
Capacity	67 Ah, 32.6 kWh
Dimensions (H x W x D)	2055 mm x 600 mm x 650 mm
Weight	485 kg
DC cable terminations	Lugs (top entry only)
Continuous charge current	22 A
Operating temperature range	18° to 28°C
Storage temperature	0° to 40°C batteries not connected
Safety certifications	EN ISO 12100:2010 EN 62477-1:2012/A11:2014 CAN/CSA C22.2 No. 60950-1 UL 1973
Shipping certifications	UN3480, Class 9, UN 38.3

1. Specifications subject to change without notice.

For more information, please visit Eaton.eu/9395P, Eaton.eu/93PM and Eaton.com/Lithium

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