

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 connected to a Power Xpert 9395P, Eaton 93PM or Eaton 91PS and 93PS UPS.

Why lithium?

Lithium-ion chemistry demonstrates superior characteristics in UPS applications. High energy density, long design life, flexible installation, temperature tolerance and integrated battery management system (BMS) results in **higher availability** and **lower TCO**.

Management and monitoring system

The lithium-ion battery integrates a powerful 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.


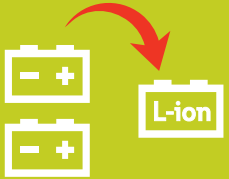

Backup battery runtimes

Contact Eaton for backup times and configurations. A wide range of runtimes from 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 650 mm x 530 mm |
| Weight | 500 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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