

Lithium-ion battery

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 mega-watts of power in a small footprint, this battery solution is comprised of lightweight battery strings designed to seamlessly connect to a Power Xpert™ 9395 or 93PM UPS.

Why lithium?

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

Backup battery runtimes

Contact Eaton for backup times and configurations. A wide range of runtimes from 3 minutes to an hour+ are available.


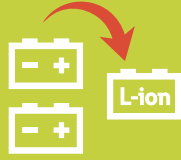

Management and monitoring system

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.

Benefits of lithium-ion

Save money	10 year performance warranty 15 year design life	
Save space	up to 8x cycle 40% smaller 60% lighter	
Reduce risk	24/7 BMS monitoring	



- Cost-effective
- Compact
- Safe



TECHNICAL SPECIFICATIONS ¹	Samsung 128S model	Samsung 136S model	LG chem 1-string	LG chem 2-string
Nominal voltage	486V	517V	466V	466V
Minimum voltage (DC under voltage trip point – DCUV)	410V	410V	410V	410V
Float voltage	538V	571V	523V	523V
Capacity	67Ah, 32.6 kWh	67Ah, 34.6 kWh	30Ah, 14kWh	60Ah, 28kWh
Dimensions (H x W x D) ²	89.8" x 26" x 24" (2280.8 mm x 650 mm x 600 mm)		100.5" x 20.5" x 19.6" (2552 mm x 520 mm x 498.6 mm)	
Weight	1,063 lb (482 kg)	1,102 lb (500 kg)	763 lb (346 kg)	1,081 lb (490 kg)
DC cable terminations	2-hole lugs (top entry only)		2-hole lugs (top entry only)	
Continuous charge current	22A	22A	30A	60A
Operating temperature range	18° to 28°C (64° to 82°F)*	18° to 28°C (64° to 82°F)*	19° to 27°C (66° to 81°F)*	19° to 27°C (66° to 81°F)*
Safety certifications	UL 1973	UL 1973	UL 1973	UL 1973
Shipping certifications	UN3480, Class 9, UN 38.3	UN3480, Class 9, UN 38.3	UN3480, Class 9, UN 38.3	UN3480, Class 9, UN 38.3

1. Specifications subject to change without notice.
 2. Dimensions include the conduit box on the base structure
 * To maintain 10 year performance warranty

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



Eaton
 1000 Eaton Boulevard
 Cleveland, OH 44122
 United States
 Eaton.com

© 2019 Eaton
 All Rights Reserved
 Printed in USA
 June 2019

Eaton and Power Xpert are registered trademarks.

All other trademarks are property of their respective owners.