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

- Cost-effective
- Compact
- Safe
- 24/7 BMS monitoring
- 10 year performance warranty
- 15 year design life
- up to 8x cycle
- 40% smaller
- 60% lighter

TECHNICAL SPECIFICATIONS1

<table>
<thead>
<tr>
<th></th>
<th>Samsung 128S model</th>
<th>Samsung 136S model</th>
<th>LG chem 1-string</th>
<th>LG chem 2-string</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal voltage</td>
<td>486V</td>
<td>517V</td>
<td>466V</td>
<td>466V</td>
</tr>
<tr>
<td>Minimum voltage</td>
<td>410V</td>
<td>410V</td>
<td>410V</td>
<td>410V</td>
</tr>
<tr>
<td>(DC under voltage trip point – DCUV)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Float voltage</td>
<td>538V</td>
<td>571V</td>
<td>523V</td>
<td>523V</td>
</tr>
<tr>
<td>Capacity</td>
<td>67Ah, 32.6 kWh</td>
<td>67Ah, 34.6 kWh</td>
<td>30Ah, 14kWh</td>
<td>60Ah, 28kWh</td>
</tr>
<tr>
<td>Dimensions (H x W x D)2</td>
<td>89.8” x 26” x 20.8” (2280.8 mm x 650 mm x 530 mm)</td>
<td>100.5” x 20.5” x 19.6” (2552 mm x 520 mm x 498.6 mm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>1,063 lb (482 kg)</td>
<td>1,102 lb (500 kg)</td>
<td>763 lb (346 kg)</td>
<td>1,081 lb (490 kg)</td>
</tr>
<tr>
<td>DC cable terminations</td>
<td>2-hole lugs (top entry only)</td>
<td>2-hole lugs (top entry only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continuous charge current</td>
<td>22A</td>
<td>22A</td>
<td>30A</td>
<td>60A</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>18° to 28°C (64° to 82°F)*</td>
<td>18° to 28°C (64° to 82°F)*</td>
<td>19° to 27°C (66° to 81°F)*</td>
<td>19° to 27°C (66° to 81°F)*</td>
</tr>
<tr>
<td>Shipping certifications</td>
<td>UN3480, Class 9, UN 38.3</td>
<td>UN3480, Class 9, UN 38.3</td>
<td>UN3480, Class 9, UN 38.3</td>
<td>UN3480, Class 9, UN 38.3</td>
</tr>
</tbody>
</table>

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

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