Lithium Batteries for Telcom

Benefits

- Lower total cost of ownership with long cyclic battery life and soft end-of-life
- Enjoy maintenance free operation and fewer replacements
- Confidently deploy batteries in weight sensitive applications such as rooftops
- Optimize equipment and enclosure configurations with no outgassing concerns and high energy density footprints
- Be prepared for the next outage

Lithium-ion batteries are an effective and attractive alternative energy storage solution for various telecom applications.

In general, lithium-ion batteries weigh less, charge faster and last longer than valve regulated lead acid (VRLA) batteries - all without outgassing. While these advantages come with a higher initial acquisition cost, total cost of ownership savings are quickly seen with elimination of maintenance costs and longer cyclic battery life. In general, payback is realized after the first comparable VRLA replacement cycle.

Vertiv has been working with lithium-ion batteries in both core and access applications for over 10 years. This has allowed us to gain valuable experience and knowledge that can be applied as lithium's footprint in telecom applications continues to expand.

If your NetSure™ power system is equipped with a NetSure™ Control Unit (NCU) it is generally compatible with any lithium-ion battery that utilizes a battery management system. No updated software or communication cabling is required – only normal system set-up adjustments similar to those of VRLA batteries.

Depending on the battery manufacturer and Vertiv power plant, you can also enable remote monitoring and alarms for the battery with the NetSure™ NCU. All that is required is a software update and a Modbus connection between the battery and power plant.

For more information about battery qualification and availability, please contact your local sales representative.

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