



News from RFS

February, 08th, 2017

RFS Announces Lithium-ion Battery for Mobile Network Industry

Solution Supports Base Transceiver Station (BTS) Applications at RAN/C-RAN and Self-Sustaining Sites



Nozay (France), February 08th, 2017 – [Radio Frequency Systems \(RFS\)](#), a global designer and manufacturer of cable, antenna and tower systems providing total-package solutions for wireless and broadcast infrastructure, today announced the availability of its new lithium-ion battery solution using NMC technology. The batteries can be used at RAN/C-RAN sites to ensure RRH operation and network availability during power grid outages; at independent, self-sustaining sites sourced by renewable energies; and for powering of temporary sites without connectivity to a power grid or fuel generators.

The modular RFS battery solution includes battery cells, a charging circuit, algorithm, and software for remote access. It can be used in many different scenarios requiring stable performance in high working temperatures –for example, an un-air-conditioned outdoor cabinet– and remote monitoring management.

RFS' compact, eco-friendly Li-ion batteries reduce volume by up to 50% and installation weight by 20% over traditional acid batteries, while increasing capacity and eliminating the need for additional cooling to maintain operational temperatures.

“This evolution from acid to Li-ion batteries supports CAPEX and OPEX savings in RAN and C-RAN network deployments by reducing space requirements and rent cost, lowering energy consumption and carbon footprint, and improving safety and monitoring management,” said Dietmar Brunsch, chief engineer / product manager ISR, RFS. “The addition of the new battery supports our broader global strategy to provide a comprehensive product portfolio – including CPRI panels, power cables, fiber jumpers, DC wires and more – that meet all of our mobile network customers' needs.”

The easy-to-install batteries are designed for a 19 inch rack and feature a Battery Management System (BMS) for remote access to battery parameters and hot plugging functionality, allowing for upgrades without requiring shutting down the site.

Trademarks: RFS® is a registered trademark of Radio Frequency Systems. All other trademarks are the property of their respective owners.



About RFS

Radio Frequency Systems (RFS) is a global designer and manufacturer of cable, antenna and tower systems, plus active and passive RF conditioning modules, providing total-package solutions for outdoor and indoor wireless infrastructure.

RFS serves OEMs, distributors, system integrators, operators and installers in the broadcast, wireless communications, land-mobile and microwave market sectors. As an ISO compliant organization with manufacturing and customer service facilities that span the globe, RFS offers cutting-edge engineering capabilities, superior field support and innovative product design. RFS is a leader in wireless infrastructure.

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