Two-Way portable radios Battery Pack

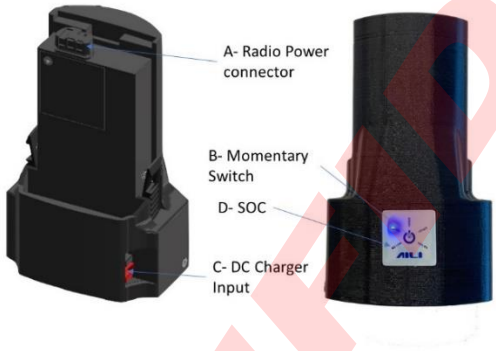
Patent Pending 17/736,963

XFC Battery Pack

Delivers a stable regulated fixed voltage (8.3VDC) to the radio independent of the internal battery voltage, with a full UPS (Uninterruptable Power System) functionality allowing a long runtime using the full energy of the battery cells.

Extremely Fast Charging battery pack charges in less than 10 minutes. From fully discharged to fully charged (0% SOC to 100% SOC), this is at least 24 times faster than existing solutions taking 4 hours to charge. Two minutes charge time delivers three hours runtime.

Unmatched uptime of higher than 98%: Allows the radio to be used more than 98% of its time for critical missions, when existing solutions permits only 70% of its time, the remaining time is used for charging the battery.
Long Cycle Life, best ROI: More than 2000 cycles, this is at least 4 times longer than existing solutions with 500 cycles.
Designed to power Motorola Radio APX6000, APX7000 and APX8000



XFC Battery Pack Specifications

System Function: The battery pack is a full UPS with a regulated voltage of 8.3VDC, powering the radio
Charge Time: < 10 minutes from 0% to 100% SOC (16-hour runtime). 2 minutes charge = three hours runtime.
Cycle Life: Higher than 2000 cycles.
Battery Cells: Lithium Iron Phosphate (LFP) , the safest of the lithium chemistry.
Energy: 16 Wh, 2.5 Ah.
Safety features: All voltages and current protections built-in battery pack BMS.
Temperature protection built-in the charger: maximum ambient full charge: 35ºC, maximum temperature protection 50ºC for charging
Operational Range -30ºC to +60ºC
SOC Indication: For charge and discharge, voltmeter with push-button
Connector: DC Input (battery charger side): 30 Amps Anderson.

MADE IN THE USA

Contact: Mickey Rooney
Email: mrooney@xfcpower.com
Tel: 301-606-5000
Website: https://xfcpower.com