

A NEW LEVEL OF POWER

LFP (Lithium Iron Phosphate) Battery Pack

FOR ACUMENTRICS' RUGGED-UPS™ 2500/3000

Model Number: **ACG2500BPLL**



Increased Runtime for Critical Mission Success

50% More Runtime than our standard ACG2500BPLI LFP Battery!
144% More Runtime than our standard ACG2500BP VRLA Battery!

Acumentrics' mission to provide rugged, reliable power for soldiers in theater continues with its new increased runtime LFP Battery Packs. This power source offers safe, lightweight, robust energy for fielded and new Rugged-UPS™ units.

Crush, fire, and bullet penetration testing has been performed to simulate combat situations. Test results indicate that Acumentrics' increased runtime LFP Battery Packs remain intact and demonstrated only minimal reactions to these abusive conditions.

- System charge and discharge control circuits manage self generated heat
- Pack design includes electrical devices that regulate current flow
- Cell construction features minimize impact from extreme internal heat and pressure

Acumentrics increased runtime LFP Battery Packs were performance tested in worst case scenarios inherent to battlefield operations. The results indicate a power source with greater cycle life and higher run times than lead acid battery packs.

STANDARDS

EMI: MIL-STD-461-F

Environmental: MIL-STD-810-G

WARRANTY

1 year.

Backward compatible with fielded units.

SAFETY TESTING

Tested and certified to meet UN-DOT 38.3

BATTERY SPECIFICATIONS

Average Nominal Voltage: 25.6 VDC

Nominal Energy: 920 Wh

Weight: 25 lbs.; 50% improvement over lead acid battery packs

Recommended Charge: Up to 8 A

Discharge Peak Rate: 125 A

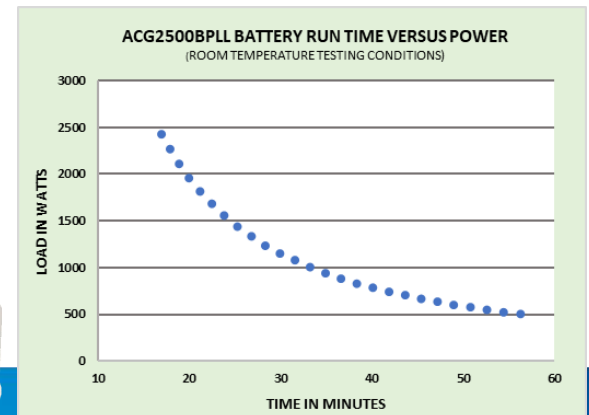
Operating Temperature: -20 °C to 60 °C

Storage Temperature: -32 °C to 60 °C

Life Expectancy: 4 to 24 times higher than lead acid, based on temperature conditions.

**RUGGED
RELIABLE
POWER™**

Reliability of communications capabilities is fully dependent on rugged power supplies. Acumentrics' increased runtime LFP Battery Packs offer a lighter weight and longer lasting energy source the lead acid battery packs for mission-critical applications like ISR equipment as well as battlefield command



LFP inherent qualities such as chemical stability and low resistance provide the best chemistry to deploy for uninterruptible power supplies. In addition to improved performance, Acumentrics' increased runtime LFP Battery Packs provide safety protection at three levels: system, pack, and chemistry