



**LITHIUM IRON PHOSPHATE BATTERY FOR LOW TOTAL COST OF OWNERSHIP**

Manufacturers of mobile equipment can achieve lighter weight, longer runtime, faster charge time and longer shelf-life with the new Lithium Iron Phosphate battery technology over older Sealed Lead Acid (SLA) batteries. The state of the art, patent pending IronWorks battery yields a longer runtime at about half the weight of similarly rated SLA batteries. This solution is a direct replacement for SLA batteries. Maintenance time and costs are reduced, resulting in a far lower total cost of ownership over the lifetime of an IronWorks battery. In addition, this battery is based on the safest and most environmentally friendly chemistry available on the market today. Visit [www.micro-power.com/ironworks](http://www.micro-power.com/ironworks) for more information.

**Attributes:**

- Lower weight
- Zero maintenance for several years
- Fuel gauging and battery status reported via standard SMBus
- Internal cell balancing
- Direct replacement for sealed lead acid (SLA) battery
- Compatible with SLA chargers
- Robust mechanical design
- Uncompromised safety



**SPECIFICATIONS**

Battery Chemistry	Lithium ion with Lithium Iron Phosphate technology
Nominal Voltage	12.8V
Nominal Capacity	44Ah
Weight	< 6 kg
Dimensions (HxWxL)	180mm x 124mm x 198mm
Continuous Rate Capability	20A recommended
Peak Rate Capability	45A
Communication	SMBus
Operating Temperature	0 - 45 degrees C
Storage Temperature	-20 - 60 degrees C
Recommended Charge Rate	20A
Certification	UL 1642, UN/DOT shipping approved, RoHS compliant