

MIL POWER LTD

Delivering Battery Performance

MIL/LIFE4-10.8-1M, 16.0V 10.8Ah Lithium Iron Phosphate Battery with LED Gas-Gauge for GSR/GSX Geospace Seismic Recorders

- High performance rechargeable Lithium Iron Phosphate, LiFePO₄, batteries with LED gas-gauge for quick capacity check before deployment
- 30 day run time with GSX3 recorder
- Also available in a smaller case 16V 6.6Ah battery
- Excellent high temperature performance
- Lightest LiFePO₄ battery available
- Sealed waterproof high impact plastic enclosure
- Our proprietary yellow removable connector allows safe and quick user cable replacement
- Protection against short circuit and overload
- Protection against over discharge and over charge
- Cell balancing for increased cycle life
- Integral stainless steel reinforced securing loop
- Replacement cables available for GSR/GSX acquisition units

Applications for our batteries include:

- Seismic exploration
- Telemetry
- Precision sensors
- Recording instrumentation and equipment
- Seismology
- Geophysical and geotechnical hardware





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- Battery size only 10.88" x 3.4" x 2.5"
- Ultra lightweight 5.0lbs
- Industry leading high temperature performance
- Battery and cells are independently tested to United Nations UN38.3 safety standards
- 100% function test on all batteries
- Each battery consists of cells which are capacity matched to within 0.5%
- Protection against short circuit and overload
- Protection against over discharge and over charge

Cell chemistry	Lithium Iron Phosphate
Nominal Voltage	16.0 Volts
Maximum Voltage	19.0 Volts, open circuit
End of discharge Voltage	12.0 Volts
Typical capacity @ +25°C/+77°F	10.8 Amp hour at 1A discharge
Typical capacity @ +55°C/+131°F	9.7 Amp hour at 1A discharge
Typical capacity @ -40°C/-40°F	8.2 Amp hour at 100mA discharge
Maximum discharge current	3 Amps
Charge retention	>80% after 28 day storage at +21°C, +70°F
Electrical protection	Over charge, over discharge, short circuit and overload
Secondary protection	PTC auto resettable fuse
Case dimensions excluding connector	10.88" x 3.4" x 2.5", 276 x 86 x 64 mm
Nominal weight	5.0lbs, 2.3 kg
Case material	Orange high impact resistant plastic which meets UL94 V-0
Operating temperature, charging	0°C to +40°C, +32°F to +104°F
Operating temperature, discharging	-40°C to +60°C, -40°F to +140°F
Storage temperature, 1 month	-10°C to +45°C, 14°F to +113°F
Storage temperature, 3 months	0°C to +30°C, +32°F to +86°F
Storage temperature, long term	+15°C to +25°C, +59°F to +77°F