

# MIL POWER LTD

Delivering Battery Performance

## MIL/LI4-20-1M, 14.8V 20.8Ah Lithium Ion Battery with LED Gas-Gauge for GSR/GSX Geospace Seismic Recorders

- High performance rechargeable Lithium Ion, Li-Ion, batteries with LED gas-gauge for quick capacity check before deployment
- 60 day run time with GSX3 recorder
- Also available as a 14.8V 10.4Ah battery
- Excellent low temperature performance
- Lightest and smallest Li-Ion 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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## MIL/LI4-20-1M, 14.8V 20.8Ah Lithium Ion Battery with LED Gas-Gauge for GSR/GSX Geospace Seismic Recorders

- Battery size only 5.39" x 4.69" x 2.72"
- Ultra lightweight 5.0lbs
- Industry leading low 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 capacity matched cells
- Protection against short circuit and overload
- Protection against over discharge and over charge

Cell chemistry	Lithium Ion
Nominal Voltage	14.8 Volts
Maximum Voltage	16.8 Volts, open circuit
End of discharge Voltage	11.0 Volts
Typical capacity @ +25°C/+77°F	20.8 Amp hour at 1A discharge
Typical capacity @ +40°C/+104°F	16.6 Amp hour at 1A discharge
Typical capacity @ -40°C/-40°F	14.4 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	5.39" x 4.69" x 2.72", 137 x 119 x 69 mm
Nominal weight	5.0lbs, 2.3 kg
Case material	Blue 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	-20°C to +60°C, -4°F to +140°F @ 50% charge
Storage temperature, 3 months	-20°C to +45°C, -4°F to +113°F @ 50% charge
Storage temperature, long term	-20°C to +25°C, -4°F to +77°F @ 50% charge