

MIL POWER LTD

Delivering Battery Performance

MIL/LP14-20-1M, 14.8V 20Ah Lithium Polymer Battery for Seismic Source Sigma Universal Recorders

Based on a 3 channel recording system consuming 480mW per channel 24 hours/day the MIL/LP14-20 20Ah battery will operate for 204 hours, or 8.5 days.

- High performance rechargeable Lithium polymer batteries with LED Gas Gauge.
- Available as standard case 14.8V 20Ah.
- Also available as small case 14.8V 10Ah.
- High capacity performance verified cells.
- Robust user replaceable output cable with an industry standard connector.
- Sealed waterproof high impact plastic enclosure.
- Protection against short circuit and overload.
- Protection against over discharge and over charge.
- Cell balancing for increased cycle life.
- Integral security loop.
- Connector for Sigma Universal Recorders.

Applications for our batteries include:

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





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Delivering Battery Performance

MIL/LP14-20-1M, 14.8V 20Ah Lithium Polymer Battery for Seismic Source Sigma Universal Recorders

- Standard case, only 10.88" x 3.35" x 2.52"
- Lightweight 5lbs
- High performance rechargeable Lithium polymer batteries.
- High capacity performance verified cells.
- Robust user replaceable output cable.
- Sealed waterproof high impact plastic enclosure.
- Protection against short circuit and overload.
- Protection against over discharge and over charge.
- Cell balancing for increased cycle life.

Cell chemistry	Lithium polymer
Nominal Voltage	14.8 Volts
Maximum Voltage	16.8 Volts, open circuit
End of discharge Voltage	11 Volts
Typical capacity @ +25°C/+77°F	20.0 Amp hour at 2A discharge
Typical capacity @ -20°C/-4°F	19.4 Amp hour at 2A discharge
Typical capacity @ +60°C/+140°F	19.0 Amp hour at 2A discharge
Typical capacity @ -40°C/-40°F	16.0 Amp hour at 200mA 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	276 x 85 x 64 mm, 10.88" x 3.35" x 2.52"
Nominal weight	2.3 kg, 5.0lbs
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	-20°C to +45°C, -4°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