Electrochem Power Solutions

Telematics

Reliable - Powerful - Extreme

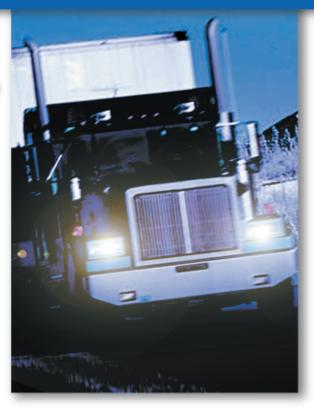
The emerging world of telematics brings to life the possibilities for dynamic, location relevant information services. From electronic toll collection; automated meter reading; surveying; police-, ambulance-, and fire-service delivery to fleet management and mobile asset tracking; RFID and traffic management, today's telematics applications demand reliable battery power under all environmental extremes.

Electrochem® Power Solutions offers primary spiral-wound lithium battery technology specially engineered to optimize performance, minimize passivation and deliver safe, dependable power under all temperature and application extremes. Offering cell capacities of up to 40 Ah per cell, our pulse and continuous load performance under temperature extremes (from -55°C to over 150°C) is unmatched.

Serving our customers from an international reputation for extraordinary quality and reliability, Electrochem® is earning the trust of some of the world's leading suppliers of high performance telematics products. Look to Electrochem® to deliver maximum pulse and peak power capability to satisfy your most critical requirements. Contact Electrochem® Power Solutions - "The Power to do Great Things" in your telematic applications.







Custom Power Solutions

- Custom engineered pack designs to meet stringent pulse regime and product-life cycle requirements
- Wide range of cells with a variety of terminations
- Built-in safety features
- Fuel gauge technology now available

Extremely High Reliability

- Engineered for demanding shock and vibration applications
- Enhanced thionyl and sulfuryl chloride chemistries
- Comprehensive qualification testing available
- UN/DOT certified for transportation
- ISO 9001:2000 certified facility

Wide Temperature Range

- Low temperature performance to -55°C
- Proprietary construction
- Specialty electrolyte formulations for optimized restart and pulse capability



High Rate Technology

Product PMX 150 & 165 Chemical System Chlorinated Sulfuryl Chloride 3.9 V OCV Rate Capability Moderate -40°C to +150 and Temperature -40°C to +165°C

Applications Moderate to high temperatures

Downhole Petroleum Seismic applications

MWD 150 **Enhanced Thionyl** Chloride 3.6 V

Moderate 0°C to +150°C

High shock & vibration capable

Downhole Petroleum Pipeline applications

BCX 85

Bromine Chloride Thionyl Chloride 3.9 V

Moderate to High -55°C to +85°C

Capability

Oceanographic, Military, Telemetry, Pipeline

CSC 93

Chlorinated Sulfuryl Chloride

Moderate to High -20°C to +93°C

Capability

Oceanographic, Military, Telemetry, Industrial

Moderate Rate Anode Technology

150 MR Series 165 MR Series 180 MR Series 200 MR Series Product Thionyl Chloride Thionyl Chloride Thionyl Chloride Thionyl Chloride Chemical System OCV 3.6 V 3.6 V 3.6 V 3.6 V Rate Capability Moderate Moderate Moderate Moderate Temperature -40°C to +150°C -40°C to +165°C +50°C to +180° +70°C to +200°C High temperature High temperature High temperature **Applications** Moderately high temperatures Downhole Petroleum Downhole Petroleum Downhole Petroleum Downhole Petroleum

Bobbin Technology

OTC Series 150 Series 180 Series 200 Series Product 100 Series Thionyl Chloride Thionyl Chloride Chemical System Thionyl Chloride Thionyl Chloride Thionyl Chloride OCV 3.6 V 3.6 V 3.6 V 3.6 V 3.6 V Rate Capability Low Low Low Low Low Temperature -40°C to +85°C -40°C to +100°C -40°C to +150°C +50°C to +150°C +70°C to +200°C Applications Telemetry, Industrial, Temperatures Downhole Petroleum Downhole Petroleum Memory backup Downhole Petroleum Military, Medical

