

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



CUSTOM POWER SOLUTIONS



High Rate Technology

Product	PMX 150 & 165	MWD 150	BCX 85	CSC 93
Chemical System	Chlorinated Sulfuryl Chloride	Enhanced Thionyl Chloride	Bromine Chloride Thionyl Chloride	Chlorinated Sulfuryl Chloride
OCV	3.9V	3.6V	3.9V	3.9
Rate Capability	Moderate	Moderate	Moderate to High	Moderate to High
Temperature	-40°C to +150 and -40°C to +165°C	0°C to +150°C	-55°C to +85°C	-20°C to +93°C
Applications	Moderate to high temperatures Downhole Petroleum Seismic applications	High shock & vibration capable Downhole Petroleum Pipeline applications	Capability Oceanographic, Military, Telemetry, Pipeline	Capability Oceanographic, Military, Telemetry, Industrial

Moderate Rate Anode Technology

Product	150 MR Series	165 MR Series	180 MR Series	200 MR Series
Chemical System	Thionyl Chloride	Thionyl Chloride	Thionyl Chloride	Thionyl Chloride
OCV	3.6V	3.6V	3.6V	3.6V
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
Applications	Moderately high temperatures Downhole Petroleum	High temperature Downhole Petroleum	High temperature Downhole Petroleum	High temperature Downhole Petroleum

Bobbin Technology

Product	QTC Series	100 Series	150 Series	180 Series	200 Series
Chemical System	Thionyl Chloride	Thionyl Chloride	Thionyl Chloride	Thionyl Chloride	Thionyl Chloride
OCV	3.6V	3.6V	3.6V	3.6V	3.6V
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	Memory backup	Telemetry, Industrial, Military, Medical	Temperatures Downhole Petroleum	Downhole Petroleum	Downhole Petroleum

