Electrochem Power Solutions

Seismic

Reliable - Powerful - Extreme

Geophysical surveying of valuable petroleum reserves places demanding requirements on instrument power sources. Today's seismic surveying applications use lithium batteries in key data collection functions, typically over multiple, cost intensive deployments. Electrochem® batteries provide dependable power on demand, extremely high reliability and peak performance in the harshest of environments. Across the world's oceans, major geophysical survey service companies and OEM equipment suppliers rely on the Electrochem® brand to insure their vital surveys are successful.

Electrochem® demonstrates field proven value and reliability. Engineered to deliver optimized performance, level rate capabilities across a broad temperature range and individual cell capacities up to an incredible 40 ampere-hours. The Electrochem® BCX65-LMS Series uses proprietary technology to achieve critical low magnetic signature profiles. Advanced cell construction insures Electrochem® products will continue to be regarded as the benchmark for safety and quality. Contact Electrochem® Power Solutions - *"The Power to do Great Things"* in today's seismic surveying applications.

Custom Power Solutions

- Custom engineered packs tailored for continuous, pulse and product-life cycle requirements
- Wide range of cells with a variety of terminations
- Built-in, internal safety features

Extremely High Reliability

- Engineered for demanding ocean applications
- Enhanced bromine, thionyl and sulfuryl chloride chemistries
- Surface-mount fuse and diode protection standard
- Comprehensive qualification testing available
- UN/DOT certified for transportation
- ISO 9001:2000 certified facility

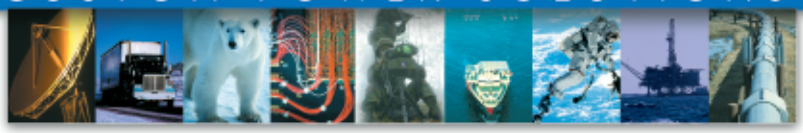
Wide Temperature Range

- Wide temperature performance from -55°C, up to +93°C
- Proprietary construction and electrolyte chemistries for optimized restart
- Level rate performance over whole temperature range

Electrochem
POWER SOLUTIONS The power to do great things®

Tel: 716-759-6901 • Fax: 716-759-2562

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	3.9 V	3.6 V	3.9 V	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	3.6 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
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	3.6 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	Memory backup	Telemetry, Industrial, Military, Medical	Temperatures Downhole Petroleum	Downhole Petroleum	Downhole Petroleum

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