# LITHIUM MANGANESE DIOXIDE: CR18505

<table>
<thead>
<tr>
<th>Key Characteristics</th>
<th>Characteristics</th>
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<tbody>
<tr>
<td>High and stable operating voltage</td>
<td>Chemistry: Lithium Thionyl Chloride Li Soci2 Batteries</td>
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<tr>
<td>Low self-discharge rate (less than 3% after 1 year storage at 25°C)</td>
<td>Nominal capacity (10mA-2.0v) 2500mAh</td>
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<tr>
<td>Operating temperature (−40°C~+60°C)</td>
<td>Nominal voltage 3.0v</td>
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<tr>
<td>Hermetic glass-to-metal sealing</td>
<td>Max. constant current 2000mA</td>
</tr>
<tr>
<td>Nickel-plated steel container</td>
<td>Max. pulse current 3000mA</td>
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<tr>
<td>Organic electrolyte</td>
<td>Weight 35g</td>
</tr>
<tr>
<td>Spiral type</td>
<td>Volume 18.5 X 50.5mm</td>
</tr>
<tr>
<td>UL (MH48131), CE</td>
<td>Workable temperature -40 ~ +60°C</td>
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<tr>
<td>ISO9001:2008 approved</td>
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</tbody>
</table>

## Warning
Fire, explosion and severe burn hazard.
Do not recharge, crush, disassemble, heat, above 212 F (100°C), incinerate, short circuit or expose contents to water.
Do not reverse the positive and negative pole of battery while using it.
Do not solder directly on the battery.
Dispose of used batteries promptly.
Please see latest guidelines, cautions and MSDS online:
http://en.globtek.com/safety-cautions/

## Main Applications
- Utility meters (electricity meters, water meters, gas meters)
- Security systems (door lockers, smoke alarm sensors, detectors)
- CMOS memory and RTC backup
- Vehicle tracking
- Industrial clocks
- Sea buoys, remote monitoring systems, industrial clocks
- Military electronics

Note: Any information here is for reference only. Information is also dependent on actual conditions of use does not guarantee future performance. And subject to change.
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Available terminations:
-/P axial pins
-T/PT2 radial pins
-/PT/TP polarized tabs

Available terminations can be made as requested.

Storage Characteristics

Capacity vs Current

Discharge Characteristics

Voltage vs Temperature

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