**RE: Battery Storage & Depassivation Instructions**

XenoEnergy Lithium Thionyl Chloride Batteries have unique chemical system, so following battery storage and depassivation instructions are required.

1. **Product Type:** Lithium Thionyl Chloride (Li-SOCl$_2$) Batteries, 3.6V, Non-Rechargeable

2. **Battery Storage Guideline**

   Li-SOCl$_2$ batteries shall be stored in following conditions to keep the battery characteristics.

   - Store batteries at clean, cool (not over +30℃), dried (less than 30% RH) and ventilated conditions.
   - Store batteries in original separate trays and boxes.
   - Store batteries in anti-magnetic and non-conductive status.
   - Release batteries in first-in and first-out basis.
   - Do not store fresh and used batteries together.
   - Do not store corroded or leaked batteries with fresh batteries together.
   (Leaked toxic materials may damage fresh batteries.)

3. **Handling Warning**

   Li-SOCl$_2$ batteries contain hazardous ingredients but have hermetically sealed structure, so they are not hazardous when they are used in the normal storage or usage.

   - Do Not Recharge, Short Circuit, Puncture, Crush, Disassemble, Heat above 100℃ (212℉), Incinerate or Expose Contents to Water.
   - Risk of Fire, Explosion and Severe Burn Hazard in case of abuse (mechanical, terminal and electrical) which leads to the activation of safety protection and/or the rupture of the battery container.

   **Under abusive conditions, the battery contained materials may leak and following special exposure control and personal protection is necessary.**

   * Do not touch corroded and leaked batteries in bare hands
   * Do not contact corroded and leaked batteries to the skin or body
   * Do not inhale or ingest leaked ingredients

For more information, please kindly see Material Safety Data Sheet.
4. Long Term Storage and Depassivation

It is natural that Li-SOCl$_2$ batteries have passivation (LiCl) film when they are stored for a long period without discharge and usage.

We recommend that customer shall use our batteries within 6 months from the arrival. However, if it is over the storage recommended period, we suggest the following depassivation process.

**Storage of 6 months:**
Depassivation is not necessary.

**Storage of 6 ~ 12 months // 13 ~ 24 months:**
Depassivation is recommended as follows:

<table>
<thead>
<tr>
<th>Model</th>
<th>Storage of 6~12months</th>
<th>Storage of 13~24months</th>
</tr>
</thead>
<tbody>
<tr>
<td>XL(P)-050F, XL-050H</td>
<td>30mA, 10sec.</td>
<td>30mA, 30sec.</td>
</tr>
<tr>
<td>XL(P)-055F</td>
<td>40mA, 10sec.</td>
<td>40mA, 30sec.</td>
</tr>
<tr>
<td>XL(P)-060F, XL-060H</td>
<td>60mA, 10sec.</td>
<td>60mA, 30sec.</td>
</tr>
<tr>
<td>XL-100F</td>
<td>60mA, 10sec.</td>
<td>60mA, 30sec.</td>
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<tr>
<td>XL-145F</td>
<td>100mA, 10sec.</td>
<td>100mA, 30sec.</td>
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<tr>
<td>XL-205F</td>
<td>100mA, 10sec.</td>
<td>100mA, 30sec.</td>
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<tr>
<td>XL-210F</td>
<td>30mA, 10sec.</td>
<td>30mA, 30sec.</td>
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