**LPRDS Operation States**

**Off**
- Safety Loop Open
- No LVDC
- FitPC off
- PVHV off
- ESSHV off

**Booting**
- Safety Loop Open
- LVDC
- FitPC booting
- Start all software
- PVHV off
- ESSHV off

**Shutdown**
- Safety Loop Open
- LVDC
- FitPC off
- PVHV off
- ESSHV off

**LV Standby Unsafe**
- Safety Loop Open
- LVDC
- FitPC running
- PVHV off
- ESSHV off

**LV Standby Safe**
- Safety Loop Closed
- LVDC
- FitPC running
- PVHV off
- ESSHV off

**HV Unsafe**
- Safety Loop Open
- LVDC
- FitPC
- PVHV on
- ESSHV on

**HV Standby**
- Safety Loop Closed
- LVDC
- FitPC
- PVHV on
- ESSHV on

**Operational**
- Safety Loop Closed
- App Control
- LVDC
- FITPC
- PVHV on
- ESSHV on

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<table>
<thead>
<tr>
<th>Potential LV Faults</th>
<th>Potential HV Faults</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Fault</td>
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</tr>
<tr>
<td>Max temp exceeded</td>
<td>Loss of ESSHV</td>
</tr>
<tr>
<td>Over Voltage</td>
<td></td>
</tr>
<tr>
<td>Under Voltage</td>
<td></td>
</tr>
<tr>
<td>Over Current</td>
<td></td>
</tr>
</tbody>
</table>