The XPm2000 changes the rules on what can be done with a 3U power supply. The XPm2000 takes in a MIL-STD-704 28V-DC input voltage and provides up to 200 W on 3.3V, 5V, and ±12V at up to 90% efficiency. The XPm2000 also provides on card MIL-STD-461E EMI filtering.

An innovative hold-up design drastically reduces the size of the hold-up capacitance and allows the capacitor to be retained on-card while maintaining up to 110 ms of hold-up time. The XPm2000 also supports the use of external hold-up capacitors for providing additional hold-up time.

The XPm2000 fits in a 3U VPX slot. Up to 8.3 A on 12V, 2 A on -12V, 20 A on 5V, and 25 A on 3.3V can be supported on each rail, separately. The XPm2000 can provide up to a combined 200 W of total output power at maximum operating temperature. The XPm2000 can also be paired up with another XPm2000 for load sharing.
**Input Power**
- MIL-STD-704 28V-DC
- MIL-STD-461E EMI filtering

**Output Power**
- Up to 90% efficient
- Supports up to 200 W in total combined power output
- 3.3V at up to 25 A
- 5V at up to 20 A
- 12V at up to 8.3 A
- -12V at up to 2 A
- Can be paired with another XPm2000 for load sharing

**Hold-up**
- On-card hold-up capacitor for up to 110 ms (at 120 W) of hold-up time (optional)
- Supports external hold-up capacitor connection

**Environmental Requirements**
Contact factory for appropriate board configuration based on environmental requirements.
- Supported ruggedization levels (see chart below): 5
- Conformal coating available as an ordering option

**Supported Ruggedization Level**

<table>
<thead>
<tr>
<th>Level 5</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling Method</td>
<td>Conduction-Cooled</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40 to +85 °C (board rail surface)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-55 to +105 °C ambient</td>
</tr>
<tr>
<td>Vibration</td>
<td>0.1 g²/Hz (maximum), 5 to 2000 Hz</td>
</tr>
<tr>
<td>Shock</td>
<td>40 g, 11 ms sawtooth</td>
</tr>
<tr>
<td>Humidity</td>
<td>0% to 95% non-condensing</td>
</tr>
</tbody>
</table>

**Physical Characteristics**
Contact factory for CAD model if desired
- 3U form factor
- PICMG 2.11 standard 47 position connector (modified pinout)
- 1.0-in. pitch (without on-card hold-up capacitor)
- 1.45 lbs. (with on-card hold-up capacitor)
- 1.1 lbs. (without on-card hold-up capacitor)