The XPm2010 is a PICMG 2.11 power supply that takes in a MIL-STD-704 28 VDC input voltage and provides up to 300W on 3.3 V, 5 V, and ±12 V at up to 90% efficiency. The XPm2010 also provides on-card MIL-STD-461E EMI filtering.

The XPm2010 fits in a 3U cPCI slot. Up to 8.3 A on 12 V, 2 A on -12 V, 22 A on 5 V, and 25 A on 3.3 V auxiliary can be supported on each rail, separately. The XPm2010 can provide up to a combined 300W of total output power at maximum operating temperature. The XPm2010 can also be paired with another XPm2010 for load sharing.

The XPm2010 also features an Intelligent Platform Management Interface (IPMI) controller which monitors board voltages and temperatures. In addition, the IPMI controller can turn off output power.
Input Power
- MIL-STD-704 28 VDC
- MIL-STD-461E EMI filtering

Output Power
- Up to 90% efficient
- Supports up to 300 W in total combined power output
- 3.3 V at up to 25 A
- 5 V at up to 22 A
- 12 V at up to 8.3 A
- -12 V at up to 2 A
- Can be paired with another XPm2010 for load sharing

Hold-up
- On-card hold-up capacitor for up to 60 ms (at 120 W) of hold-up time (optional)

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

IPMI Controller
- Monitors voltages
- Monitors temperature sensors
- Controls output power
- Connects to backplane via system management bus (I²C)

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>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling Method</td>
</tr>
<tr>
<td>Operating Temperature</td>
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<td>Storage Temperature</td>
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<tr>
<td>Vibration</td>
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<td>Humidity</td>
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