HPRU1000Q-6-EC-5693 High Power Replaceable Unit (LRU)
P/N: 84074

The HPRU power supply is a ruggedly built, COTS, modular design, Line Replaceable Unit. Features include hot-swappable and current sharing, with front panel status indicators and designed to meet the stringent requirements of industrial and military applications.

**Features**

- Hot swappable
- Modular design for user replacement
- Front panel status indicators on front panel

**SPECIFICATIONS**

**INPUT**

Input Transient protection: Per Mil-STD-704, MIL-STD-1399 and MIL-STD-1285

-6: 115/200 VAC, 3 phase, 47-440 Hz

**OUTPUT(S): Q (Quad)**

<table>
<thead>
<tr>
<th>Voltage/Current:</th>
<th>(5V @ 80A), (3.3V @ 10A), (12V @ 33.3A), (-12V @ 4.2A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power:</td>
<td>883 watts</td>
</tr>
<tr>
<td>Load Regulation:</td>
<td>0.2% Maximum (0-100%)</td>
</tr>
<tr>
<td>Line Regulation:</td>
<td>0.2% Maximum</td>
</tr>
<tr>
<td>PARD-Ripple &amp; Noise:</td>
<td>1% typical</td>
</tr>
<tr>
<td>Current Limit:</td>
<td>Short circuit and over-current protected.</td>
</tr>
<tr>
<td>Over voltage:</td>
<td>Included</td>
</tr>
<tr>
<td>Efficiency:</td>
<td>72% to 85% depending on model.</td>
</tr>
<tr>
<td>Remote Sense:</td>
<td>0.6V compliance</td>
</tr>
</tbody>
</table>

**STATUS SIGNALS:**

All signals are open collector/open drain TTL compatible.
Fault to cause a logic state low.
DC OK
FAN OK
Over Temperature

**PHYSICAL**

Dimensions: 1/3 Rack Mount Chassis, (3U) 5 ¼”H x 5 ¼”W x 15”D) with guide pin bushings.

Cooling: **Option: EC** External fins

Connections: XXXX

Finish: CARC paint

**ENVIRONMENTAL**

Operating Temperature: -40°C to +71°C (with derating)

Storage Temperature: -40°C to +85°C

Humidity: 0% to 95% Non-Condensing

*Note: Unit designed to meet:*

MIL-STD-1399   MIL-STD-461
Mil-STD-704     MIL-STD-810
MIL-STD-1285

Rear View

Unit appearance can change based on Options