Behlman’s DMCA4000 COTS power supply is a ruggedly made, highly reliable, switch mode units built for high-end industrial or MIL applications. The unit is powered from three-phase aircraft power and can supply a variety of DC outputs. This rugged power supply is built to support the rigor of airborne, shipboard and mobile applications and designed to meet the input power requirements of MIL-STD-704. The power supply is fan cooled.

**INPUT:**
- 115/200 VAC, 3 phase, 47-440 Hz
- IAW Mil-STD-704

**OUTPUT(S):**
- Voltage/Current: + 5VDC @ 160A (800W)
- + 12VDC @ 167A (2000W)
- + 3.3VDC @ 160A (528W)
- - 12VDC @ 12.5A (150W)
- - 28VDC @ 16A (485W)
- Voltage Ramp-Up: 20 ms min. up to 150 ms max
- Load Regulation: 0.3% (0-100%)
- Line Regulation: 0.3%
- PARD-Ripple & Noise: 100 mV p-p typical
- Current Limit: Short circuit and over-current protected.
- Over Voltage Shutdown: 120% typical
- Over Current Limit: 120% typical
- Efficiency: 82% typical.
- Remote Sense: 0.5V compliance

**GENERAL CHARACTERISTICS—see O&C drawing 24085**
- Isolation
  - Input to Output: 1000 VDC
  - Input to Case: 1000 VDC
  - Output to Case: 200 VDC
- Dimensional Data: 4.5"H x 16"W x 21.5"D (see Dwg. 24085 for outline and connections)
- Weight: 33.5 lbs
- Connectors: Input; J1- MS34521-24-10P (see Dwg. 24085 for outline and connections)
  - Output; J2- Hypertronics LSH series
  - Output; J3- Tyco Domino series

**ENVIRONMENTAL:**
- Operating Temperature: -40 to +50 degrees C
- Storage Temperature: -40 to + 100 degrees C
- Cooling: Three fans mounted on Front Panel
- Air Flow: In- front, Exhaust- sides & top

**Designed to meet the following MIL Standards**
- Shock: MIL-STD-810
- Vibration: MIL-STD-810
- EMI/EMC: MIL-STD-461E (RE102 inside external enclosure)