Behlman's DCS2000 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCS2000 can accept a wide range of inputs and can supply a variety of DC outputs. These rugged power supplies are built to support the rigor of airborne, shipboard and mobile applications and designed to meet the input power requirements of MIL-STD-704 and MIL-STD-1399. Units are Base Plate cooled.

**INPUT**

- Input Transient protection: Per MIL-STD-1399
- 85-265 VAC, 47-440 Hz, Power Factor Corrected

**OUTPUT (S): S (Single)**

- Voltage/Current: 28 VDC +/-1% @ 54 A
- Load Regulation: 0.2% Maximum (0-100%)
- Line Regulation: 0.2% Maximum
- PARD-Ripple & Noise: 1% Typical
- Current Limit: Short Circuit and Overcurrent Protected
- Overvoltage Protection: Included
- Efficiency: 73% Typical, 20-100% Load Power
- Power Factor: 0.8 min, 20-100% Load Power
- Remote Sense: 0.6V Compliance Voltage

**GENERAL CHARACTERISTICS- See O&C drawing OC94107**

- Isolation:
  - Input to Output: 1000 VDC
  - Input to Case: 1000 VDC
  - Output to Case: 500 VDC
- Dimensional Data: 13.97"L X 8.0"W X 2.0"H
- Weight: 10 lbs max.
- J1 - Input Power: 7W2P (D-Sub Combo Style)
- J2 - Output Power: 8W8P (D-Sub Combo Style)
- J3 - Output Signal: DEMA9S (D-Sub Standard Style)

**ENVIRONMENTAL:**

- Operating Temperature: -20°C to +80°C Base Plate
- Storage Temperature: -40°C to +100°C
- Designed to meet:
  - Shock: MIL-S-901; MIL-STD-810
  - Vibration: MIL-STD-167; MIL-STD-810
  - Humidity: MIL-STD-810, 0-95% NC
  - EMI/EMC: MIL-STD-461E, Applicable Surface Ship Requirements
  - RE102 compliance when installed in shielded enclosure