Behlman’s DCS1000 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCS1000 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

**OUTPUT:**
- **(D) Dual**
  - Voltage/Current: 12 VDC +/-1% @ 50 A
  - 28 VDC +/-1% @ 10.7 A
  - Load Regulation: 0.2% Maximum (0-100%)
  - Line Regulation: 1% Maximum
  - PARD-Ripple & Noise: 1% Typical
  - Current Limit: Short Circuit and Over Current Protected
  - Over voltage: 130% Typical
  - Efficiency: 80% Typical
  - Remote Sense: 0.6V compliance

**GENERAL CHARACTERISTICS—See O&C drawing 24166**
- Isolation: 500 VDC
- Input to Case: 500 VDC
- Output to Case: 100 VDC
- Dimensional Data: 11.32"L X 5"W X 2.0"H
- Weight: 3.4 lbs
- J1- Input: 7W2 Type Positronics
- J2- Output: 13W6 Type Positronics
- Enable Lines: Off when tied to return
- Over Temperature: Contact Closure (Normally Open)

**ENVIRONMENTAL:**
- Operating Temperature: -40 to +85 degrees C Base Plate
- Storage Temperature: -40 to + 100 degrees C
- Designed to meet:
  - Shock: MIL-S-901; MIL-STD-810
  - Vibration: MIL-STD-167; MIL-STD-810
  - Humidity: MIL-STD-810
  - EMI/EMC: MIL-STD-461C/D
- RE02/102 compliance when installed in shielded enclosure