Behlman’s DCS500 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCS500 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, MIL-STD-1399 and RTCA-DO160. Units are Base Plate cooled.

**INPUT:**
- Input Transient protection: Per Mil-STD-1399
- 115VAC Three Phase Delta 47-440 HZ

**OUTPUTS:** 8 total
1. +15Vdc @ 3.5A max
2. -15Vdc @ 3.5A max
3. +28Vdc @ 2A max
4. +55/65Vdc @ 0.6A / 0.7A max
5. +50/100/190vdc@ 0.75/0.60/0.40A max
6. +5.25Vdc @ 22A max
7. +15VDC@0.5A max
8. 0 to +5.25VDC adjustable @ 22A max

- **Line/Load Regulation:**
  - Static % max: 1. 2%; 2. 2%; 3. +15/-10%; 4. 1%; 5. 5% 6. 5%; 7. 10%; 8. 5%
  - Dynamic % max: 1. 3%; 2. 3%; 3. 3%; 4. 1%; 5. 5%; 6. 5%; 7. 2%; 8. 5%
  - **PARD-Ripple & Noise:**
    - 1. 100mv.
    - 2. 100mv.;
    - 3. 500mv.;
    - 4. 100mv.;
    - 5. 500mv.;
    - 6. 70mv.
    - 7. 200mv.
    - 8. 70mv.

- **Current Limit:** Short circuit and over-current protected.
- **Over voltage:** 1. 110%; 2. 110%; 3. 115%; 4. 110%; 5. 110%; 6. 110%; 7. NA; 8. 110%
- **Efficiency:** Minimum 67%

**GENERAL CHARACTERISTICS**

- **Isolation**
  - Input to Output: 1000 VDC
  - Input to Case: 1000 VDC
  - Output to Case: 200 VDC
  - Leakage: < 5uA
- **Dimensional Data:** 9.0”L X 10.0”W X 3.75”H Excluding handles and mounting feet
- **Weight:** 15 lbs max
- **J1- Input:** 5 pin connector
- **J2- Output:** 17 pin connector
- **J3 Output:** 25 pin connector
- **J4 Output:** 20 pin connector
ENVIRONMENTAL:
Operating Temperature: -40 to +85 degrees C Base Plate
Storage Temperature: -40 to +100 degrees C

Designed to meet the following MIL Standards
Shock: MIL-S-901; MIL-STD-810
Vibration: MIL-STD-167; MIL-STD-810; RTCA/DO-160
Humidity: MIL-STD-810