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%
- Remote Sense: None
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
- Humidity: MIL-STD-810