Behlman’s DCS400 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCS400 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 RTCA-DO160. Units are Base Plate cooled.

**INPUT**

- **Input Transient protection:** Per Mil-STD-704
- **-1:** 85-265 VAC, 47-440 Hz, Power Factor Corrected
- **-2:** 90-132 or 180-264 VAC, 47-440 Hz, Auto-ranging
- **-3:** 20-32 VDC
- **-4:** 36-72 VDC
- **-5:** 200-400 VDC
- **-6:** 115/200 VAC, 3 phase, 47-440 Hz
- **-7:** 90-132 VAC, single phase, 47-440 Hz

**OUTPUT(S):** S (Single); D (Dual); T (Triple); Q (Quad)

- **Voltage:** \( V \) 2 to 48 VDC +/-1%
- **Current:** \( A \) \( X \) Amps. Maximum power 400 watts.
- **Load Regulation:** 0.2% Maximum (0-100%)
- **Line Regulation:** 0.2% Maximum
- **PARD-Ripple & Noise:** 1% typical
- **Current Limit:** Short circuit and over-current protected.
- **Over voltage:** Included
- **Efficiency:** 72% to 85% depending on model.
- **Remote Sense:** 0.6V compliance

**GENERAL CHARACTERISTICS**

- **Isolation**
  - Input to Output: 1000 VDC minimum
  - Input to Case: 1000 VDC minimum
  - Output to Case: 200 VDC minimum

- **Dimensional Data:** 7.75”L X 5.0”W X 2.0”H
- **Weight:** 2.4 lbs
- **J1- Input:** 5 pin connector
- **J2- Output:** 30 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
- **EMI/EMC:** MIL-STD-461C/D; RTCA/DO-160D. RE102 with proper shielding.