

# BEHLMAN

## DCS600( ) – ( I ) - ( V, A )

Behlman's DCS600 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCS600 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 ( I ) 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 600 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: 3.0 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-160D
- Humidity: MIL-STD-810
- EMI/EMC: MIL-STD-461C/D; RTCA/DO-160D. RE102 with proper shielding.



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