

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

OUTPUT(S): S (Single); D (Dual); T (Triple)

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:	75 mV (0-10Mhz) Typical
Current Limit:	Constant current limited to 120% of rated current.
Over voltage:	120% with auto recovery
Efficiency:	72% to 85% depending on model.
Remote Sense:	0.6V compliance



GENERAL CHARACTERISTICS

Isolation	
Input to Output:	1000 VDC
Input to Case:	2500 VDC
Output to Case:	200 VDC
Dimensional Data:	7.75"L X 5.0"W X 1.15"H
Weight:	3.0 lbs
J1- Input:	5 pin connector
J2- Output:	30 pin connector

ENVIRONMENTAL: Designed to meet the following MIL Standards

Operating Temperature:	-40 to +85 degrees C Base Plate
Storage Temperature:	-40 to + 100 degrees C
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

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