

# BEHLMAN

## DCS400( ) - (Input) - (V, A)

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.

<b>INPUT ( I )</b>	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.



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