

### DCS2000S - 1 - (28, 42) P/N 94040

Behlman's DCS2000 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCS2000 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 MIL-STD-1399. Units are Base Plate cooled.

**INPUT**            Input Transient protection: Per Mil-STD-1399  
-1:                85-265 VAC, 47-440 Hz, Power Factor Corrected

**OUTPUT (S): S (Single)**

Voltage/Current	28 VDC +/-1% @ 42 A
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:	81% Typical
Remote Sense:	0.6V compliance



**GENERAL CHARACTERISTICS- See O&C drawing 24115**

Isolation	
Input to Output:	1000 VDC
Input to Case:	2500 VDC
Output to Case:	200 VDC
Dimensional Data:	13.97"L X 8.0"W X 2.0"H
Weight:	5.6 lbs
J1- Input:	7W2 Type Positronics
J2- Output:	13W6 Type Positronics

**ENVIRONMENTAL:**

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

Designed to meet:

Shock:	MIL-S-901; MIL-STD-810
Vibration:	MIL-STD-167; MIL-STD-810
Humidity:	MIL-STD-810
EMI/EMC:	MIL-STD-461C/D

RE02/102 compliance when installed in shielded enclosure



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