

### DCS2000S-1-(28,54)

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% @ 54 A *
Load Regulation:	0.2% Maximum (0-100%)
Line Regulation:	0.2% Maximum
PARD-Ripple & Noise:	1% Typical
Current Limit:	Short Circuit and Overcurrent Protected
Overvoltage Protection:	Included
Efficiency:	73% Typical, 20-100% Load Power
Power Factor:	0.8 min, 20-100% Load Power
Remote Sense:	0.6V Compliance Voltage



**GENERAL CHARACTERISTICS- See O&C drawing OC94107**

Isolation	
Input to Output:	1000 VDC
Input to Case:	1000 VDC
Output to Case:	500 VDC
Dimensional Data:	13.97"L X 8.0"W X 2.0"H
Weight:	10 lbs max.
J1 - Input Power:	7W2P (D-Sub Combo Style)
J2 - Output Power	8W8P (D-Sub Combo Style)
J3 - Output Signal	DEMA9S (D-Sub Standard Style)

**ENVIRONMENTAL:**

Operating Temperature:	-20°C to +80°C Base Plate
Storage Temperature:	-40°C to +100°C
Designed to meet:	
Shock:	MIL-S-901; MIL-STD-810
Vibration:	MIL-STD-167; MIL-STD-810
Humidity:	MIL-STD-810, 0-95% NC
EMI/EMC:	MIL-STD-461E, Applicable Surface Ship Requirements RE102 compliance when installed in shielded enclosure

\* 1500W output current derates linearly at -10W per volt below 160VAC input to 750W at 85VAC



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