

## DCS1000D - 1 - (56, 11)-(24, 6) P/N 94041

Behlman's DCS1000 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCS1000 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): D (Dual)**

Voltage/Current	56 VDC +/-1% @ 11 A 24 VDC +/-1% @ 6A
Load Regulation:	0.2% Maximum (0-100%)
Line Regulation:	0.2% Maximum
PAR-D-Ripple & Noise:	1% Typical
Current Limit:	Short Circuit and Over Current Protected
Over voltage:	Included
Efficiency:	82% Typical
Remote Sense:	0.6V compliance

### **GENERAL CHARACTERISTICS-See O&C drawing 24109**

Isolation	
Input to Output:	1000 VDC
Input to Case:	2500 VDC
Output to Case:	200 VDC
Dimensional Data:	11.32"L X 5.0"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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