

# Behlman Power Products

## COTS POWER SUPPLY

### DCA2000S- 2-(60,34)

Part Number 94037

Behlman's DCA2000 series of COTS power supplies are highly reliable, switch mode units built for high-end industrial or MIL applications. The DCA series accepts three phase "Y" or delta inputs and can supply a variety of DC from 3.3 VDC to 100 VDC outputs. Output power levels range from 1500 W to 3000 W depending on exact input and output configuration. 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, MIL-STD-1399 and RTCA-DO160. Units are Fan cooled.

**POWER(P)** 2000 W

#### INPUT (I)

-2: 115 VAC, 3-Phase Delta, 47-440 Hz, IAW MIL-STD-1399

#### OUTPUT:

Voltage: 60 VDC  
Current: 34 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: 120% Typical  
Efficiency: 83% Typical  
Remote Sense: 0.6V compliance  
DC OK Line Contact Closure  
Remote Enable Open Circuit: On; Ground: Off  
Standby: +5 VDC @ 10 mA

#### GENERAL CHARACTERISTICS

Isolation  
Input to Output: 1000 VDC  
Input to Case: 2500 VDC  
Output to Case: 200 VDC  
Dimensional Data: 5.0" H, 8.0" W, 14" D  
Weight: 28 lbs max.  
Input: 5 Pin Terminal Block  
Output: High Current Buss Bars  
J1 (Bit, Sense, On/Off) 25 Pin D Connector

#### ENVIRONMENTAL:

Operating Temperature: -40 to +50 degrees C Full Power  
-40 to +71 degrees C Derated.  
Storage Temperature: -40 to + 100 degrees C  
Designed to meet:  
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



[www.behlman.com](http://www.behlman.com)

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