

DMCA4000 Power Supply Specifications P/N: 94057

Behlman's DMCA4000 COTS power supply is a ruggedly made, highly reliable, switch mode units built for high-end industrial or MIL applications. The unit is powered from three-phase aircraft power and can supply a variety of DC outputs. This rugged power supply is built to support the rigor of airborne, shipboard and mobile applications and designed to meet the input power requirements of MIL-STD-704. The power supply is fan cooled.

INPUT:

115/200 VAC, 3 phase, 47-440 Hz
IAW Mil-STD-704

OUTPUT(S):

Voltage/Current:	+ 5VDC @ 160A (800W) + 12VDC @ 167A (2000W) + 3.3VDC @ 160A (528W) - 12VDC @ 12.5A (150W) - 28VDC @ 16A (485W)
Voltage Ramp-Up:	20 ms min. up to 150 ms max
Load Regulation:	0.3% (0-100%)
Line Regulation:	0.3%
PARD-Ripple & Noise:	100 mV p-p typical
Current Limit:	Short circuit and over-current protected.
Over Voltage Shutdown:	120% typical
Over Current Limit:	120% typical
Efficiency:	82% typical.
Remote Sense:	0.5V compliance



GENERAL CHARACTERISTICS-see O&C drawing 24085

Isolation

Input to Output:	1000 VDC
Input to Case:	1000 VDC
Output to Case:	200 VDC

Dimensional Data: 4.5"H x 16"W x 21.5"D (see Dwg. 24085 for outline and connections)

Weight: 33.5 lbs

Connectors: Input; J1- MS34521-24-10P (see Dwg. 24085 for outline and connections)
Output; J2- Hypertronics LSH series
Output; J3- Tyco Domino series

ENVIRONMENTAL:

Operating Temperature:	-40 to +50 degrees C
Storage Temperature:	-40 to + 100 degrees C
Cooling:	Three fans mounted on Front Panel
Air Flow:	In- front, Exhaust- sides & top

Designed to meet the following MIL Standards

Shock:	MIL-STD-810
Vibration:	MIL-STD-810
EMI/EMC:	MIL-STD-461E (RE102 inside external enclosure)



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