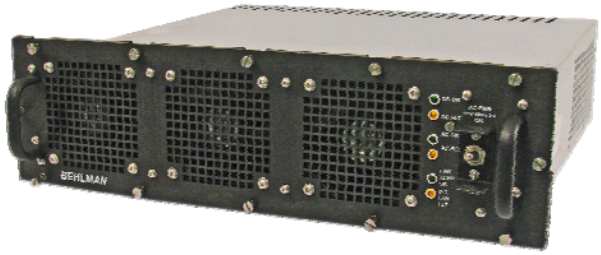
DCR2U- (Watts)- Input- (V, A)

2000-4000 Watt, rugged, reliable, fan-cooled, 3U rack mount COTS power Supply for airborne, shipboard, ground and mobile applications.

Behlman's DCR2U COTS power supply is a ruggedly made, highly reliable, switch mode unit in a 19" rack mount, fan cooled chassis, built for Military and Commercial airborne applications. The unit is powered from single-phase AC, PFC, three-phase aircraft power or 200-400 VDC and can supply a variety of DC outputs. This rugged power supply is built to support the rigor of airborne, shipboard, ground and mobile applications and designed to meet the input power requirements of MIL-STD-704 and RTCA/DO-160.

INPUT: **-1** 85-265 VAC, 47-440 Hz, Power Factor Corrected
-5 200-400 VDC
-6 115/200 VAC, 3-phase, 360-440 Hz, IAW MIL-STD-704 and DO-160
Other inputs available. Contact factory



OUTPUT(S):

Power	2000, 3000 or 4000 Watts
Voltage:	3.3 VDC – 48 VDC
Load Regulation:	0.3% (0-100%)
Line Regulation:	0.3%
PARD-Ripple & Noise:	<100 mV p-p typical
Remote Sense:	0.5V compliance
Efficiency:	80% to 85% depending on model

PROTECTIVE CIRCUITS:

Current Limit:	Short circuit and over-current protected.
Over Voltage Shutdown:	120% typical
Over Current Limit:	120% typical
Over Temperature:	Sensor to prevent thermal damage

CONTROLS / INDICATORS:

Power On/Off:	Circuit Breaker with guard
Indicators: (3) LED's-	INPUT OK, OUTPUT OK, FAULT

GENERAL CHARACTERISTICS:

Isolation	
Input to Output:	2250 VDC
Input to Case:	2250 VDC
Output to Case:	200 VDC
Dimensional Data:	2U 19" Rack Mount chassis, 3.5" H x 17" W x 18" D
Weight:	Approximately 30 lbs.
Connectors:	
Input:	JI- MS3452L-24-10P
Output:	J2- MS3452L-32-6S

ENVIRONMENTAL:

Operating Temperature:	-40 to +55 degrees C
Storage Temperature:	-40 to + 100 degrees C
Cooling:	Fan cooled
Air Flow:	In- front, Exhaust- rear

Designed to meet the following MIL Standards

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

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