

MODEL VME Series

Behlman's **VME** COTS power supply is a rugged, low cost, highly reliable, switch mode unit built for high-end industrial and Military applications to power work stations. The **VME** can accept a wide range of AC 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 RTCA-DO160. Units can be paralleled for higher power.

INPUT

85-265 VAC, 47-440 Hz, Power Factor Corrected
Input transient protection: per MIL-STD-704

OUTPUT

1. 5.0 VDC up to 80 Amps
2. 3.3 VDC up to 80 Amps
3. +12 VDC up to 50 Amps
4. -12 VDC up to 25 Amps
5. 5.0 VDC Standby @ 2 Amps typical



Power: 100 to 1000 watts
Load Regulation: 0.2% Maximum (0-100%)
Line Regulation: 0.2% Maximum
PARD-Ripple & Noise: 150 mV (0-20 Mhz)
Current Limit: Constant current limited to 120% of rated current.
Over voltage: 120%
Efficiency: 75%
Remote Sense: 5 V & 3.3 V can accommodate up to 0.5 V total drop

GENERAL CHARACTERISTICS

Units can be paralleled for higher power

Remote turn on

Over Temperature protection

Isolation

Input to Output: 1000 VDC

Input to Case: 2500 VDC

Output to Case: 200 VDC

Dimensional Data: 10.0"W X 10.0"D X 2.0"H

Weight: 7 lbs

Temperature:

Operating: -40 to + 50 degrees C

Storage: -40 to + 100 degrees C

Cooling: Via internal fans

J1- Input/Output: 60 pin Positronic connector

ENVIRONMENTAL: Designed to meet the following MIL Standards:

Shock: MIL-S-901; MIL-STD-810

Vibration: MIL-STD-167; MIL-STD-810

Humidity: MIL-STD-810

EMI/EMC: MIL-STD-461C/D

Input power: MIL-STD-704

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