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 rigors 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