Behlman's 94094-1 COTS power supply is a ruggedly made, highly reliable, switch mode unit in a 2U, 19” rack mount, fan cooled chassis, built for mission critical Military and Commercial airborne applications. The unit is powered from three-phase aircraft power and supplies 4000 watts of 48 VDC and 400 watts of 24 VDC outputs. This rugged power supply is built to support the rigors of airborne applications and designed to meet the input power requirements of MIL-STD-704F.

**INPUT:**
115/200 VAC, 3-phase, 360-440 Hz, IAW MIL-STD-704F
Power Factor 0.90 typical

**OUTPUT(S):**
- **Power:** 4400 Watts
- **Voltage/Current:** + 48VDC @ 83.3A (4000W)
  - **Auxiliary:** + 24VDC @ 16.7A (400W)
- **Load Regulation:** 0.3% (0-100%)
- **Line Regulation:** 0.3%
- **PARD-Ripple & Noise:** 100 mV max. p-p
- **Efficiency:** 84% typical.
- **Remote Sense:** 0.5V compliance

**PROTECTIVE CIRCUITS:**
- **Current Limit:** Short circuit and over-current protected.
- **Over Voltage Shutdown:** 120% typical
- **Over Current Limit:** 120% typical
- **Over Temperature:** Shutdown with auto recovery.

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

**GENERAL CHARACTERISTICS:**
- **Isolation**
  - Input to Output: 1000 VDC
  - Input to Chassis: 1000 VDC
  - Output to Chassis: 500 VDC
- **Dimensional Data:**
  - 2U 19” Rack Mount chassis, 3.5” H x 17” W x 18” D.
  - Accepts Optional non-ball bearing slides C-300-S-120
- **Weight:** 40 lbs. max.
- **Connectors:**
  - Input: J1-MS3452L24-10P
  - Output: J2-MS3452L32-6S
  - Output: J3-MS3452L32-1S

**ENVIRONMENTAL:**
- **Operating Temperature:** -15 to +55 degrees C
- **Storage Temperature:** -40 to + 100 degrees C
- **Cooling:** Fan cooled
- **Air Flow:** Inlet-front, Exhaust- rear

**Designed to meet the following MIL Standards**
- **Shock:** MIL-STD-810G
- **Vibration:** MIL-STD-810G
- **EMI/EMC:** CE102, CS101, CS114, CS115, CS116, (RE102 inside external enclosure)
  - And RS103 IAW MIL-STD-461F