The MK119 LRU power supply is a ruggedly built, modified COTS, modular design, Line Replaceable Unit, used in the MK119 Power Supply System Model 94012. Features include N+1 redundant, hot-swappable and current sharing, with front panel status indicators and designed to meet the stringent requirements of life aboard a US Navy warship.

**Features**
- N+1 redundant
- Hot swappable
- Modular design for user replacement
- Front panel status indicators on front panel

**SPECIFICATIONS**

**INPUT**
- Voltage: 120 VAC, +/- 10%, 1 phase, per MIL-STD-1399.
- Frequency: 57-63 Hz, per MIL-STD-1399
- PFC Input: .95 minimum
- Harmonic Content: Per MIL-STD-1399

**OUTPUT**
- -12 VDC: 5 AMPS Minimum
- +12 VDC: 17 AMPS Minimum
- +5 VDC: 80 AMPS Minimum
- +28 VDC: 4.5 AMPS Minimum
- Power rating: 790 watts
- Efficiency: 65% minimum (75% typical) @ full load
- Ripple: 100 mvolts peak to peak for 5 VDC output, 200 mvolts peak to peak for other voltages measured at 25 MHz bandwidth over temperature range
- Remote sense: 0.5 volts compensation per output
- Over current protection: 110-120% of full load (auto recovery)
- Current sharing: Automatic
- Over voltage protection: 105-130% of nominal voltage (non shutdown, auto recovery)
- Current limiting: 115% minimum of rated current @ nominal voltage (auto recovery)
- Load regulation: 1% maximum (0.5% typical) per output
- Line regulation: 0.5% maximum (0.2% typical) per output
STATUS SIGNALS
DC OK
FAN OK
Over Temperature
All signals are open collector/open drain TTL compatible. Fault to cause a logic state low.

PHYSICAL
Dimensions: 1/3 Rack Mount Chassis, (3U) 5 ¼”H x 15”D) with guide pins
Cooling: Internal fans. Intake front and exhaust rear.
Connections:

ENVIRONMENTAL
Operating Temperature 0°C to 45°C
Storage Temperature -40°C to 60°C
Humidity 0% to 95% Non-Condensing

Note: Unit designed to meet MIL-STD-1399 and MIL-STD-461