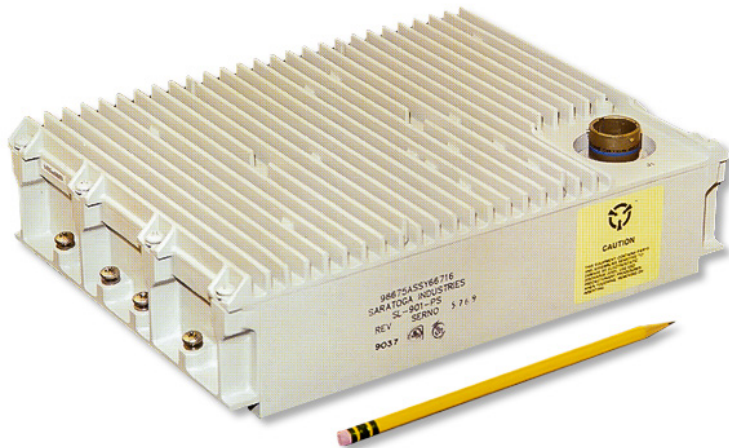


LOW VOLTAGE POWER SUPPLY (LVPS)

— Ground Based Communications



Espey Mfg. designed and manufactures this power converter for a US Army Ground Based Communications Application. The power converter operates from either 115/230VAC or 28VDC in accordance with MIL-STD-1275, to provide regulated outputs of +/-5, +/-15, -52, +90 VDC with a continuous power rating of 170W.

Features:

- Qualified to military environment extremes
- Qualified to MIL-STD-461
- Input reverse polarity protected.
- Reliability (MTBF): 25000 Hours
- EMP Remote Crowbar input
- Modular Design for Maintainability
- Over-voltage crowbar at 125%
- Maintenance: 30 Minutes MTTR
- Current Limit at 150 %

Specifications:

Electrical Specifications

- **Input Voltage:** 22 - 32 Vdc or 115/230 Vac 50/ 60/ 400 Hz
- **DC Output Voltages and Current:**
 - + 5V @ 10A.....
 - - 5V @ 1.2A.....
 - +15V @ 1.5A.....
 - -15V @ 1.5A.....
 - -52V @ 1.0A.....
 - +90 Vdc @ 100mA
- **Regulation, Line & Load:** +/- 2%
- **Ripple/noise:** < 1% peak-peak of nom output volt.

Mechanical Specifications

- **Size:** 8"x12"x4"
- **Weight:** 13 lbs. Max
- Hermetic sealed
- Aluminum Casting with integral heat-sink
- Convection cooled

SL-901-PS