

POWER SUPPLY, 208 VAC TO 40 VDC CONVERTER

GROUND BASED VEHICLE RADAR



This power supply was developed to power a HUM-V mounted radar transmitter and receiver. This unit was designed to work in parallel with two other identical units mounted in a 19" rack, each capable of delivering a regulated output of 100A at 40VDC.

Features:

- High Field Reliability
- Over and Under Voltage Protection
- Over and Under Load Protection
- Over Temperature Protection
- Front Panel Test Points For Monitoring Output Power
- Modular Design for easy assembly and repair
- Forced Air Cooling Using Internal Fans
- Bi-conversion, SMPS design providing power factor correction, and EMI compliance to MIL-STD-461, and MIL-STD-462
- Blind mate / Hot swappable

Specifications:

ELECTRICAL SPECIFICATIONS

- Input:
208/120 VAC, 3 phase,
60Hz
- Output:
100 Amps at 40 VDC

MECHANICAL SPECIFICATIONS

- Weight: 35 lbs maximum.
- Dimensions: 22.75" x 4" x 10.5"
- Operating Temperature:
0 to 50°C
- Storage Temperature: -40 to
68°C
- Operating Altitude: Sea Level
to 10,000ft
- Transported Altitude: Sea Level
to 50,000ft