

## POWER SUPPLY

## CONVERTER

## DC/DC CONVERTER-ROLLING STOCK APPLICATION



Espey developed this power supply for a major locomotive manufacturer. The high reliability power supply was designed and tested for extreme locomotive environmental conditions.

This Power supply is capable of parallel operation with like units in a redundant fashion. This power Converter operates from a very wide input ranging from 25 to 85 Vdc.

### Features:

- Output current limit protection
- 20% design margin on power and current ratings
- Soft-start with battery voltage application
- Qualified to locomotive environment extremes
- Qualified for EMI
- High Reliability Design greater than 290,000 hrs. MTBF

### Specifications:

#### ELECTRICAL SPECIFICATIONS

- Input Voltage: 25 - 85 Vdc
- Output Voltage: +15 Vdc
- Output Current: 0.5 - 20 Amps
- Output Power: 300 watts continuous
- Regulation, Line & Load:  $\pm 5\%$
- Efficiency: 80% minimum

#### MECHANICAL SPECIFICATIONS

- Weight: 10 lbs. max
- Size: 3.6" X 11.5" X 9.25"
- Modular Aluminum Chassis

GE-152-PS