

POWER SUPPLY

LOW VOLTAGE POWER SUPPLY (LVPS) - IGBT Gate Driver - DC/AC Inverter



Features:

- IGBT Gate Driver Power Inverter
- Dual isolated inputs and outputs
- Over-current/Over-voltage protection of IGBT device for traction application
- Ruggedized construction for transportation application

Espey Mfg. designed and manufactures a line of power conversion products for railroad rolling stock and off-highway vehicles. The switch-mode power supplies are customized for unique applications including braking, and signaling control, auxiliary traction support and voltage conditioning for distribution.

Specifications:

Electrical Specifications

- **Input:** Dual 19 - 85 VDC
- **Output:** Dual 100Vrms (+/- 5V), 5AMP
25kHz (+/- 10%) SQUARE WAVE

Mechanical Specifications

- Natural convection, air-cooled
- **Size:** 7.00L x 7.50W x 8.00D
- **Shock:** Half sine, .01 second long, 10G operational
- **Vibration:** 3.0G, 1Hz to 300Hz
- **Contaminants:** Unit operates in a transportation environment, contaminants may include silica, carbon, coal dust, ozone, copper dust, sulphur dioxide, hydrogen sulfide, salt air, iron dust, carbon monoxide, and nitrous oxides.

Rev. B