

# AC 1400 SERIES

HIGH POWER AC TO DC AIRBORNE POWER SUPPLY



## PRODUCT FEATURES

AC 1400 Series

- Designed to Operate from Aircraft Power
- Modular Design
- Power Density of 8.5W/Cubic Inch
- High Power 1400 Watts for COTS or Military Applications
- Shock and Vibration: MIL-STD-810
- Input / Output via Connectors
- Detection for Loss of Input Phase
- Isolation Between Input to Output: 1000 Volts
- Isolation Between Input to Chassis: 1000 Volts
- Isolation Between Output to Chassis: 100 VDC
- Component Derating per NAVSO P-3641A
- Built-in EMI Filter

*Our custom designs can be modified to meet exact customer specifications.*



A Division of Perillo Industries, Inc.

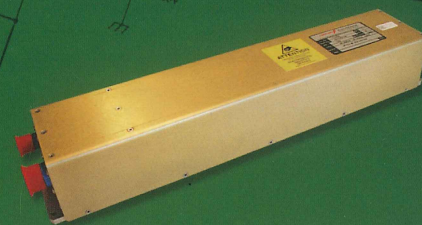
AC/DC POWER SUPPLIES | DC/DC CONVERTERS

2150 Anchor Court | Newbury Park, CA 91320 | Tel: 805.498.9838 | Fax: 805.498.9452 | [www.centuryele.com](http://www.centuryele.com)



# AC 1400 SERIES

HIGH POWER AC TO DC AIRBORNE POWER SUPPLY



## PRODUCT SPECIFICATIONS

All specifications subject to change

### AC Input:

- 108 to 132VAC 400Hz 1  $\phi$
- 187 to 229VAC 400Hz 3  $\phi$
- Input Power per MIL-STD-704F (400Hz)
- Maximum Inrush Current: 50A
- Input EMI Filter Meets MIL-STD-461E

### Operating Conditions:

- Ambient Operating Temperature Range: -40°C to 71°C
- Altitude: Up to 40,000 feet
- Relative Humidity: 95% Non-Condensing
- Vibration & Shock: MIL-STD-810
- Fungus: MIL-HDBK-454
- Cooling: Conduction to Baseplate

### DC Output:

- 28VDC @ 20 Amps (1  $\phi$  input)
  - 28VDC @ 40 Amps (3  $\phi$  input)
  - Line and Load Regulation +/- 1%
  - Ripple & Noise 1% of Vout pp 20 MHz BW
  - Overcurrent & Short Circuit Protection
  - Overvoltage Protection
  - Efficiency 85% Minimum
- \* Consult factory for different output voltages.*

### Mechanical:

- Weight 7.5 Pounds (3.4Kg)
- All Dimensions in Inches [mm]

