



HIGH RELIABILITY DC-DC CONVERTER

ULTRA COMPACT SOLUTION

Currently in service and deployed across multiple nations on front line fighter jets, the DC-DC converter provides support to key DC loads during aircraft power-up voltage transients then channels aircraft DC power during flight. This product needs to be highly reliable as failure would otherwise result in mission cancellation.

Key Features:

- DC-DC Conversion
- Convection Cooled
- EMC to SPE-J-00-E-1000
- NEMP to SPE-J-000-E-1000
- Environmental to MIL-STD-810D
- Power Quality to EFJ-SP-EFA-240-2036
- Hardware BIT and Health Status relayed to aircraft maintenance panel.
- Operating environment of -55 °C to +96 °C.
- Service altitude of 55kft.

Electrical Performance:

- 750W Output (3 x 250W Boards).
- DC Input: 9V-32V.
- DC Output: 24.5V, 30A (APU Starting) or 27V, 30A (Flight).
- Efficiency > 80% (full load).



We design, manufacture and test custom high-density, DC-DC converters with power levels up to 4kW, efficiency up to 96%. Exceptional quality, wide input ranges.