

DC-DC CONVERTER

FAA TSO APPROVED

Lone Star Aviation's FAA TSO approved DC-DC down converter is the first choice among OEM's and dealers for a high reliability power supply. This third generation converter was designed to operate as a STEP UP or STEP Down power supply. The main converter output is for 28VDC to 13.8VDC to a maximum of 10/12P Amps which operates 13.8 VDC equipment in a 28 volt aircraft. Additional outputs for the STEP DOWN are 5, 7.5, 9, 13.8, 16, 19, 24, 28 VDC.

The STEP UP is an option and special order for 14 volts to 5, 7.5, 9, 13.8, 16, 19, 24, 28 VDC. Designed with our latest dc power module operates at 96% efficiency, multiple output voltages and OV, UV, OC, OT, SC, RP protections. LS03-05001-B was tested under RTCA DO160G environmental testing. See applications below.

- Cell Phone, Chargers
- NAV-COM, P-Radio
- Power Adapter
- Entertainment Equipment
- SAT-Cell Charger
- Laptop, Tablet, iPads
- USB Charger 5V
- Camera, video equipment
- GPS, Audio Panel
- Public Safety - VHF, UHF
- ADS-B, Transponder
- Aviation Consumer Devices

SPECIFICATIONS:	
FAA Approved / DO160G:	FAA TSO / C71
DC Converter PN:	LS03-05001-B
Mating Connector Kit:	LS03-05026-1
Power Adapter:	LS03-05025
Input Voltage:	14/28 VDC
Output Voltages Available:	5, 7.5, 9, 13.8, 16, 19, 24, 28 vdc
Output Current:	10A/12A Peak, 4A/5A Peak, or 7A/8A Peak
Efficiency:	96%
Line Regulation:	0.80%
Ripple:	180mV
Connector Type:	25 P db Combo - 10/20 A (S)
MTBF:	>10Mhrs: 100% Load; Ta =4 0C
Altitude:	50K - ft
Size:	5.0L x 4.1W x 1.0H
Weight:	304.5 g
Enclosure:	Aluminum / Gold Anodized
Protections:	OV, UV, OT, OC, SC, RP
Operating Temperature:	-55C to +70C



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