

# STEP DOWN DC/DC CONVERTER ULTRA SMALL DESIGN

**FAA APPROVED UNDER TSO C71**

Lone Star Aviation's new DC Down Converter is the smallest (3 x 4 x 1) most efficient (90%) and most versatile DC converter in our industry. Available in multiple output models i.e. 24-3vdc, 24-5vdc, 24-7.5vdc, 24-13.8, 24-16vdc and 24 -19.0vdc. This converter will power various consumer items used in aircraft requiring DC voltages to charge or operate: iPads, iPhones, cell phone, portable GPS units, camera equipment, DVD players, LCD screens, laptops, EFB, PC tablets, dc/ac inverters, and entertainment equipment. The converter can be installed in the flight deck or passenger cabin using the dc connector and the quick disconnect harness, (listed below) mating to the dc devices listed above. Compatible with aircraft, marine, land-mobile or military vehicle systems.

- UltraSmall size 3"x 4"x1"
- 90% Efficiency rating
- Light Weight 100 grams / 0.220 lbs.
- SMT Technology
- Potentiometer for output adjustments
- Universal Mounting (No Thermal Concerns)
- LED Status Indicators
- Operating Temp: -55C to +70C
- Circuit Protection: OV, UV, SC, SP, RP, OC, OT
- Regulation Load: 1.0%
- Ripple: 18mVpp
- Transient response time .5ms max at 13.8vdc
- Easy Installation- remote on/off
- FAA Approved - TSO-C71



LS03-05003-(A)-xxx  
Down Converter



LS03-05025  
DC Power Adapter

Item	Output Voltage	Amperage	Part Number
1	3.0Vdc	7.0C/7.5P	LS03-05003-(A)-003
2	5.0Vdc	7.0C/7.5P	LS03-05003-(A)-005
3	7.5Vdc	7.0C/7.0P	LS03-05003-(A)-075
4	13.8Vdc	7.0C/7.0P	LS03-05003-(A)-138
5	16.0Vdc	5.0C/5.0P	LS03-05003-(A)-160
6	19.0Vdc	5.0C/5.0P	LS03-05003-(A)-190
8	MS-3102E Box Receptacle	Box Mount - Panel	LS03-05028
9	Power Adapter-Cig Lighter	10C12P amps 12/24vdc	LS03-05025 TSO Model

**Call for multiple dc converter, connector & panel options.**

**LONE STAR**  
AVIATION CORP.