



AN ISO 9001:2000 COMPANY

DC/DC CONVERTER MODEL 01096-BA-28



DC/DC Specifications

Input Voltage:	22 – 28 Volts DC
Output Voltage:	Model 01096-BA-28-15.1; 15.1 Volts DC Model 01096-BA-28-15.6; 15.6 Volts DC
Output Current:	3.5 Amps continuous max
Input Protection:	Reverse Polarity protected
Output Protection:	Diode and Short Circuit protected
Indicator:	LED Input Voltage
Input Connector:	BAI-106G
Output Connector:	MP205
Dimensions:	3.5" X 2" X 1" Nominal
Weight:	6 Ounces
Operating Temp:	-30° C to +60° C



Operating Instructions

- A) Insert the BA-5590 battery connector (BAI-106 connector) into a BA-5590 battery.
- B) Insert the MP205 connector into a laptop.

CAUTION

Ensure that the output voltage of the converter is compatible with the voltage requirements of the laptop computer.

Operating Instructions (Continued)

- C) Plug the Ground Station connector into the auxiliary connector.

CAUTION

The auxiliary connector is wired directly to the battery via the BAI-106 connector. There is no short circuit protection built into this connector.

CAUTION

The BA-5590 is fused at 2.25 Amps. Ensure that the total current draw does not exceed the battery specifications.

Operating Notes

1. The LED on top of the unit indicates battery condition. It will be GREEN when the battery voltage is greater than or equal to a nominal 22 Volts DC. It will be RED if the battery voltage is below 22 Volts DC.
2. A new BA-5590 will run a typical laptop for about 10 hours, but will be less when a load is connected to the auxiliary connector.
3. When the LED turns RED, it indicates about 15 minutes of useful battery capacity remaining.
4. Under certain conditions, a new battery may have a low output voltage prior to attaching a load. If this occurs let the unit run a few minutes and check to see if the LED turns green.