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TRI-ATPS-DC-1

Adaptive Transceiver Power Supply



Patent Pending

For DC applications where the weight and size of an AC/DC power supply isn't needed

Only 3.1lbs and provides up to 7.5 hours of battery power

Tested and meets MIL STD 461F specifications

Description

Supports: AN/PRC 117G, AN/PRC-158, RF-7800M-MP, RF-7800-MP, RF-7800-RC.

The first power supply designed in discrete modules which allows user selected configurations such as a DC only configuration for vehicle use which reduces the size and weight.

Fully reversible. The ATPS allows for quick installation and allows either left hand or right hand cable installation using modules which can be reversed by the operator. The TRI-ATPS-DC-1 is used as a single DC /BATT module, eliminating both size and weight for vehicular applications.

Quick Specs

- 5 cubic inches smaller than other existing power supplies
- 3.1 lbs including battery
- 5.5 amps, 7 amps peak
- Up to 7.5 hrs on battery pack
- Auto reset over voltage, high temperature protection
- Eliminates "arm/disarm"
- Modular design

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Contract information 813.892.1225

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Specifications are subject to change without notice.



Designed, engineered and manufactured in the United States

www.trilliumrsch.com



The TRI-ATPS-DC-1

A fully configurable, and adaptable DC-Battery transceiver power supply designed and engineered by special operations communications experts. The improved battery backup is the longest lasting battery on the market today. The TRI-ATPS-DC-1 reduces size and weight requirements while providing assured power from an advanced design.

Specifications

Compatibility	AN/PRC 117G, AN/PRC-158, RF-7800M-MP, RF-7800-MP, RF-7800-RC	Battery Life	60% STDBY/30% RX/ 10% TX SINGARS , CT , 5W 7.5HRS HAVEQUICK II, 10W 6 HRS SATCOM 181B, 20W 7.5HRS ANW2 5W 5Hrs
Input Voltage	9-36VDC	Mil Spec	Independently tested and certified to meet Mil- STD-461F
DC Output Current	5.5 Amps (7 Amps peak)	Aux Output	26.5 VDC nominal output with a continuous current of 1 Amp
DC Input Protection	MIL-STD-1275	Operating Temp	-40°C to 71°C
Output Voltage	26.5 VDC	Size	3.36H x 5.63W x 3.8L
Output Ripple	≤35mV	Environmental	Mil-Std 810
Output Protection	Continuous short circuit over-voltage, over temperature protection auto reset	Weight DC/Bat only	3.0lbs with battery
Battery Backup	Instant On Switching (IOS™), instantaneous switchover to rechargeable battery backup	Accessories	6' DC power cable with alligator clips and Operators manual
Efficiency	Approx 97% for DC, across the voltage range	UN 38.3 TRANSPORT	Battery is independently tested and certified to meet UN38.3 Transportation Requirements.



DC, Batt Only Configuration

- Left side connection
- 3.3H x 5.6W x 3.8L



Replacement Battery Pack



TRI-ATPS-RM-3

Designed for the AN/PRC-117G or RF-7800M-MP allows for easy installation of transceivers with power supplies/adapters for use in HMMWV, military and civilian vehicles, aircraft, shipboard or TOC applications.

- 5.27H x 6.64W x 11.2L in (with transceiver and power supply)
- Weight 4lbs
- Mounting: Four heavy duty shock/vibration isolators
- Quick install/release latch and security cable

*Radio Not Included

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