



TRI-ATPS-1

Adaptive Transceiver Power Supply

Patent Pending



Description

The **Adaptive Transceiver Power Supply** is the first power supply designed with the operator in mind to support the following radios, AN/PRC 117G, AN/PRC-158, RF-7800-MP, RF-7800-MP, RF-7800-RC. This is 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. The ATPS is also fully reversible.

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

Quick Specs

- 50 cubic inches smaller than existing power supplies
- 4.1 lbs including battery
- 4.5 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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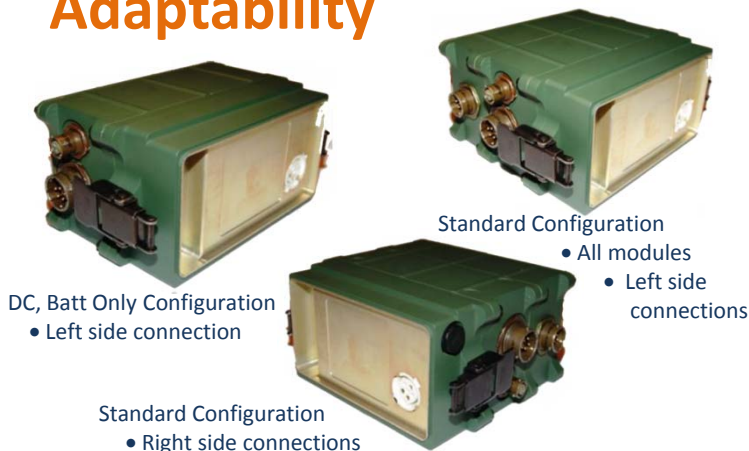
The TRI-ATPS-1

Finally, a fully configurable, and adaptable 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 ATPS 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-RC	Battery Life	<u>60% STDBY/30% RX/ 10% TX</u> <u>SINGGARS , CT , 5W 7.5HRS</u> <u>HAVEQUICK II, 10W 6 HRS</u> <u>SATCOM 181B, 20W 7.5HRS</u> <u>ANW2 5W 5Hrs</u>
Input Voltage	85-270 VAC, 47-440 Hz single phase and/or 9-36VDC	Efficiency	Aprox 97% for DC, 87% of AC input, across the voltage range
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- Full Config	3.36H x 5.63W x 5.58L
Output Ripple	≤35mV	Size- DC /Battery Backup only	3.36H x 5.63W x 3.8L
Output Protection	Continuous short circuit over-voltage, over temperature protection auto reset	Weight	4.1lbs with battery
Battery Backup	Instant On Switching (IOS™), instantaneous switchover to rechargeable battery backup	Accessories	6' DC power cable with alligator clips, 6' AC power Cable with US NEMA 5-15P plug, and Operators manual

Adaptability



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TRI-ATPS-RM-1



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 12.5L in (with transceiver and power supply)
- Weight 4.75lbs
- Mounting: Four heavy duty shock/vibration isolators
- Quick install/release latch and security cable

