



TRI-ATPS-2

Adaptive Transceiver Power Supply

Patent Pending



Description

The **Adaptive Transceiver Power Supply** is the first power supply designed with the operator in mind. The ATPS allows for quick installation into the TRI-ATPS-RM-2 and allows either left hand or right hand cable installation using modules which can be reversed by the operator.

The ATPS can be used as a single DC /Batt module, eliminating both size and weight for vehicular applications. The improved battery backup provides extended life. The ATPS reduces size and weight requirements while providing assured power from an advanced design.

Quick Specs

- 3.7 lbs without battery
- 4.5 amps, 7 amps peak
- Up to 6 hrs on battery pack
- Auto reset over voltage, high temperature protection
- Eliminates “arm/disarm”
- Modular design

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The TRI-ATPS-2

Finally, a fully configurable, and adaptable transceiver power supply designed and engineering by special operations communications experts. 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 allowing either a left or right side power cable mounting.

Specifications

Compatibility	AN/PRC 117F, AN/PRC-150, AN/PSC-5, AN/PSC-5D, MBMMR, AN/PRC-150, AN/PSC-14 BGAN, PRC-138, PRC-113, URC-200, MXF-400 series, RF-5000	Battery Life	<u>60% STDBY/30% RX/ 10% TX</u> <u>~6 HRS W/PRC-117F</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	3.16" H x 9.6" W x 5.38" L
Output Ripple	<50mV	Size DC /Battery Backup only	3.16" H x 9.6" W x 4.1" L
Output Protection	Continuous short circuit over-voltage, over temperature protection auto reset	Weight	4.7 lbs 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

Standard Configuration

- All modules
- Left side connections

Standard Configuration

- All modules
- Right side connections

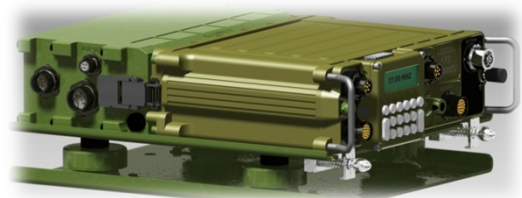
DC, Batty Only Configuration

- Left side connection

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TRI-ATPS-2 and Radio Sold Separately

TRI-ATPS-RM-2



Designed for the AN/PRC-117F or AN/PRC-150 HF 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



Designed, engineered and manufactured in the United States

www.rf.trilliumrsch.com