

Adaptive Transceiver Power Supply

AC/DC Input with Internal Battery Backup

The TSE-ATPS-1 is an adaptive power supply, battery eliminator for the AN/PRC-117G series transceivers. The TSE-ATPS-1 is the only transceiver power supply on the market which allows the removal of the AC module and operation in only a DC/BATT mode to save weight and space.

The TSE-ATPS-1 is also the only power supply on the market which allows the user to reverse the connections from the standard left side cable connection to a right side connection by simply rotating the AC or DC modules. The power supply can also be configured for a left side and right side connection. This allows for installation into a variety of applications where it was previously constrained due to cable access.

The TSE-ATPS-1 has been tested to, and passed, MIL-STD 461F requirements by a national, independent, test laboratory. The power supply is designed to meet MIL-STD-810, TEMPEST and is night vision compatible.



AC/DC with Connectors on Left Side (Standard)

Part #: TSE-ATPS-1



AC/DC with Connectors on Right Side



DC with Connectors on Left Side



DC with Connectors on Right Side

Features

- Compatible with:
PRC-117G, PRC-158, PRC-160,
RF-7800H-MP, RF-7800M-MP,
RF-7800R-RC
- Internal Back Up Battery
- 7.5hrs of Battery Life
- User Configurable to 6 Different Setups:
 - AC/DC with Connector on Left Side (Standard)
 - AC/DC with Connector on Right Side
 - AC/DC with AC Connector on Right Side and DC on the Left Side
 - AC/DC with AC Connector on Left Side and DC on the Right Side
 - DC with Connector on Left Side
 - DC with Connector on Right Side

Available on GSA Schedule **GS-35F-0039T**

Tactical Support Equipment Inc.
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For More Information
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Specifications (TSE-ATPS-1)				
Compatibility	PRC-117G, PRC-158, PRC-160, RF-7800M-MP, RF-7800-MP, RF-7800-RC			
Battery Backup	Internal 113 Watt Rechargeable Li-Ion Battery with Instant On Switching (IOSTM), instantaneous switchover to rechargeable battery backup			
Battery Run Time	60% Standby 30% Receive 10% Transmit	SINGARS	5W	7.5HRS
		HAVEQUICK II	10W	6HRS
		SATCOM 181B	20W	7.5HRS
		ANW2	5W	5HRS
UN 38.3 Transport	Battery is independently tested and certified to meet UN38.3 Transportation Requirements			
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)			
DC Input Protection	MIL-STD-1275			
Output Voltage	26.5 VDC nominal			
Output Ripple	≤35mV			
EMI	MIL-STD-461F Independently Certified			
Aux Output	26.5 VDC nominal output with a continuous current of 1 Amp			
Output Protection	Continuous short circuit over-voltage, over temperature protection auto reset			
Size	AC/DC Configuration - 3.36"H x 5.63"W x 5.7"L			
	DC Configuration - 3.36"H x 5.63"W x 3.8"L			
Weight	AC/DC Configuration - 4.1lbs			
	DC Configuration – 3.0lbs with Internal Back Up Battery			
Operating Temperature	-40° C to 71° C			
Environmental	MIL-STD-810			

STANDARD ACCESSORIES INCLUDED:	
AC Input Cable, 6ft.	TSE-ATPS-ACC-1
DC Input Cable, 6ft.	TSE-ATPS-DCC-1
Li-Ion Battery Pack	TSE-BAT11.1VDC-1
Additional Backplate	N/A
Operators Manual	N/A

AC Input Cable



DC Input Cable



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