

## **RF-5910-PS005**

**POWER SUPPLY**

*high performance and  
reliability for the most  
demanding applications*

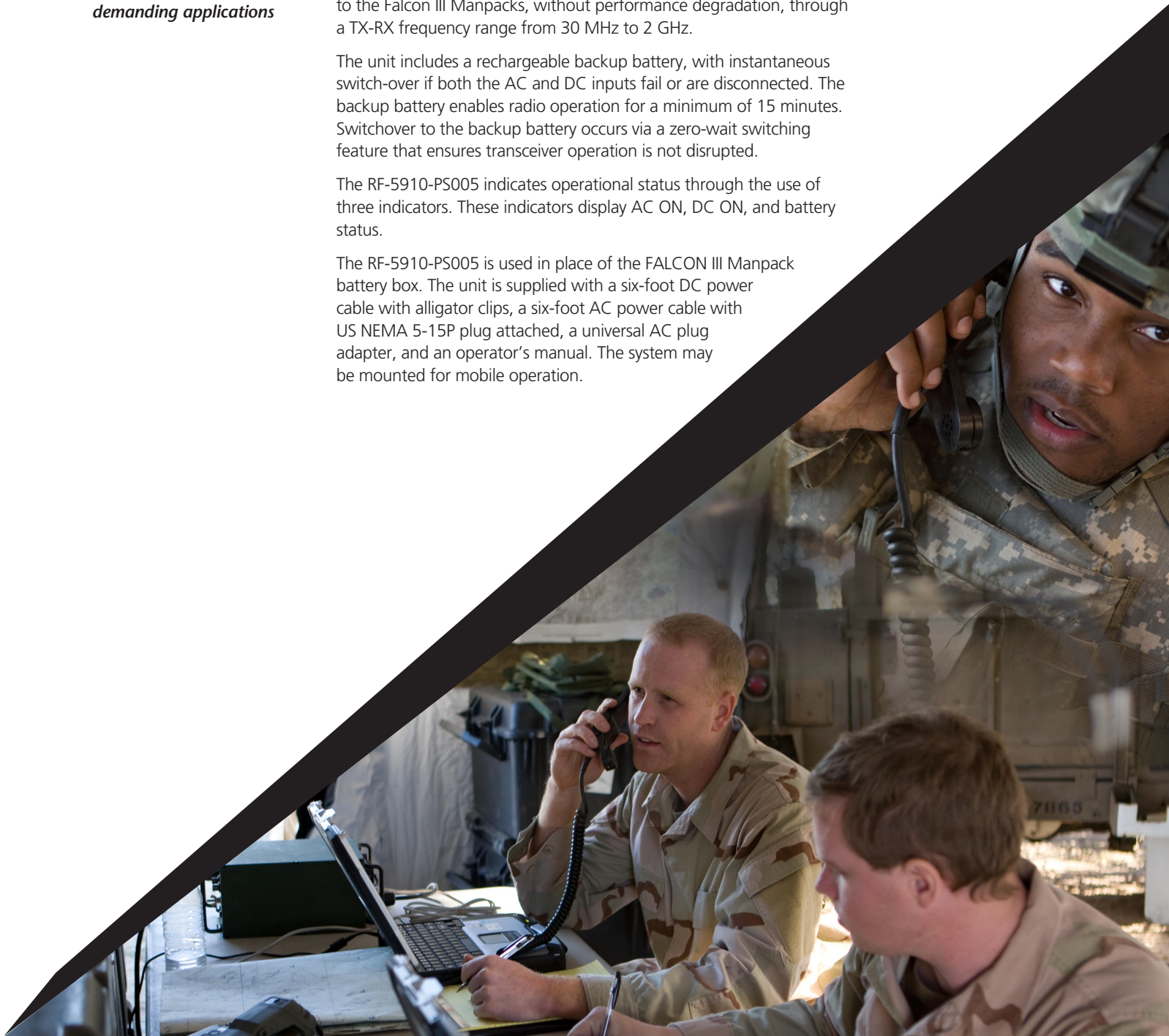


The RF-5910-PS005 Power Supply provides a regulated output voltage to the AN/PRC-117G(V)1(C) and RF-7800M-MP FALCON III® Manpack transceivers from an AC input range of 85-265 VAC/47-440 Hz and a DC input range from 10.5 to 34.5 VDC. It is designed to supply power to the Falcon III Manpacks, without performance degradation, through a TX-RX frequency range from 30 MHz to 2 GHz.

The unit includes a rechargeable backup battery, with instantaneous switch-over if both the AC and DC inputs fail or are disconnected. The backup battery enables radio operation for a minimum of 15 minutes. Switchover to the backup battery occurs via a zero-wait switching feature that ensures transceiver operation is not disrupted.

The RF-5910-PS005 indicates operational status through the use of three indicators. These indicators display AC ON, DC ON, and battery status.

The RF-5910-PS005 is used in place of the FALCON III Manpack battery box. The unit is supplied with a six-foot DC power cable with alligator clips, a six-foot AC power cable with US NEMA 5-15P plug attached, a universal AC plug adapter, and an operator's manual. The system may be mounted for mobile operation.



## Specifications for the RF-5910-PS005

### General

<b>Compatibility</b>	AN/PRC-117G(V)1(C) and RF-7800M-MP
<b>Input Voltage</b>	85-265 VAC, 47-440 Hz single phase 10.5-34.5 VDC
<b>DC Input Protection</b>	MIL-STD-1275A
<b>Output Voltage</b>	26.5 VDC
<b>Output Noise and Ripple</b>	50 mV +/- 50 mV

<b>Output Protection</b>	Continuous short circuit, over-voltage, over-temperature protection
<b>Efficiency</b>	Approximately 90% for DC input; Approximately 80% for AC input over the operating range
<b>Aux Output</b>	24 VDC nominal output with a continuous current of 1 Amp
<b>Battery Backup</b>	Rechargeable battery backup provides 15 minutes

### Mechanical/Environmental

<b>Temperature</b>	Operating Temperature: -40°C to +70°C Storage Temperature: -40°C to +85°C
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<b>Size</b>	5.375 L x 7 W x 3.25 H (in.) 14 L x 18 W x 8 H (cm)
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<b>Weight</b>	3.5 lbs (2 kg)
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<b>LED Indicators</b>	Green, night vision compatible indicates: AC or DC (when present) and % of available battery capacity (when neither AC nor DC is present)
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<b>Environmental Protection</b>	Water submersible to approximately 3 feet (1 meter) and sand/dust proof
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<b>Color/Finish</b>	Green 383 CARC
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<b>Accessories Included:</b>	Six-foot (2m) DC power cable with alligator clips Six-foot (2m) AC power cable with attached US NEMA 5-15P plug Universal AC plug adapter Operator's Manual
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### Optional Accessories:

RF-5980-SA001 Tactical Speaker  
10535-0713-A009 external 26VDC power cable for RF-5980-SA001

10535-0707 Audio Cable for RF-5980-SA001

RF-5982-SA001 Amplified Speaker  
10570-3575 Power Cable for RF-5982-SA001

10570-3573 Audio Cable for RF-5982-SA001



Specifications are subject to change without notice.



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