

L3HARRIS RF-5910-PS005

High Performance Power Supply

GENERAL	
Compatibility	AN/PRC-117G(V)1(C) and RF-7800M-MP
Input Voltage	85-265 VAC, 47-440 Hz single phase 10.5-34.5 VDC
DC Input Protection	MIL-STD-1275A
Output Voltage	26.5 VDC
Output Noise and Ripple	50 mV +/- 50 mV
Output Protection	Continuous short circuit, over-voltage, over-temperature protection
Efficiency	Approximately 90% for DC input Approximately 80% for AC input over the operating range
Aux Output	24 VDC nominal output with a continuous current of 1 Amp
Battery Backup	Rechargeable battery backup provides 15 minutes

PHYSICAL	
Dimensions	3.25 H x 7 W x 5.375 D in (8 H x 18 W x 14 D cm)
Weight	3.5 lbs (2 kg)
Color/Finish	Green 383 CARC
Environmental Protection	Water submersible to approximately 3 feet (1 meter) and sand/dust proof

MECHANICAL/ENVIRONMENTAL	
Temperature	Operating temperature: -40°F to 158°F (-40°C to 70°C) Storage Temperature: -40°F to 185° (-40°C to 85°C)
LED Indicators	Green, night vision compatible indicates: AC or DC (when present) and % of available battery capacity (when neither AC nor DC is present)

ACCESSORIES	
Accessories Included	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
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



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.

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