



L3HARRIS™
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RF-7912-PS001

Handheld Power Adapter

GENERAL	
Compatibility	AN/PRC-152A, RF-7800M-HH, RF-7850S SPR, AN/PRC-159(V)1(C), AN/PRC-163
POWER	
Input Voltage	10.5 - 34.8 V (input voltage greater than 13.5 V to charge the attached battery)
Input Current	12A (maximum)
Output Voltage (Radio)	12 V (nominal, input voltage greater than 13 V)
Output Current (Radio)	8.5 Amps (maximum)
Efficiency	90% nominal (operating with input voltage of 16 V and 3.00 A load)
PHYSICAL	
Dimensions	2.680 H x 1.630 W x 3.544 (3.890 with cap) D in (nominal) (6.807 H x 4.140 W x 9.002 (9.881 with cap) D cm (nominal))
Weight	0.87 lbs (395 grams) (nominal)
Color/Finish	CARC Green 383
Input Power Cable	7.4 in (nominal) (18.80 cm)
Output Power Cable	5.5 in (nominal) (13.97 cm)
ENVIRONMENTAL	
Shock	Per MIL-STD-810G, Method 516.6, Procedure I and IV
Vibration	Per MIL-STD-810G, Method 514.6, Procedures I and II
Immersion	Per MIL-STD-810G, Method 512.5, Procedure I (depth of 2 meters for 2 hours)
Humidity	Per MIL-STD-810G, Method 507.5
Temperature	Per MIL-STD-810G, Method 501.5 Operational: -22°F to 131°F (-30°C to 55°C) Storage: -40° F to 158° F (-40° C to 71° C)
Altitude	Per MIL-STD-810G, Method 500.5 Operational: 30,000 ft (7,620 m) Storage: 40,000 ft (12,192 m)
Sand/Dust/Salt/Fog/Rain	MIL-STD-810G



The L3Harris RF-7912-PS001 is a versatile back-up solution ensuring soldiers never lose their communication lifelines when used with an optional handheld radio battery attached. The Handheld Power Adapter is designed for use with a variety of L3Harris Falcon III® and Falcon® IV radios, with an input connector supporting direct powering of batteries from an external DC source or a hub device.

The RF-7912-PS001 operates with or without an attached battery, however, if it is directly connected to a radio's handheld battery and the external DC supply becomes insufficient for communications, the adapter uses the handheld's battery to provide continuous power. Once sufficient external DC power is restored, the RF-7912-PS001 switches back to that source and recharges the handheld's battery.

INTERFACES

Radio Interface	BAT+, GND contact, DQ (single wire battery interface)
NW Plug	P/N 807-309-06ZNU6-6PY
NW Receptacle	P/N 807-348-01ZNU6-6SY

STANDARD KIT INCLUDES

12201-1100-01	RF-7912-PS00X Power Adapter Module
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See L3Harris Product Catalog for accessories

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