

AN/PRC-117F RADIO POWER ADAPTER (RPA)

TAMCN: H77062G

I.D: 11119B

NSN: 6130-01-621-3563



Functional Description

The AN/PRC-117F Radio Power Adapter (RPA) accepts AC or DC input power to energize the AN/PRC-117F or AN/PRC-150 radio. When primary or chargeable batteries are used in conjunction with the RPA, they provide an Uninterruptible Power Supply (UPS) capability to maintain radio communications if AC power is interrupted. The RPA has an auxiliary output port to power external 12/24V devices. The RPA is configured to accept solar energy from flex panels and convert that energy to a 24 VDC output.

Technical Description

Information

Manufacturer: Iris Technology
 Model: 78535-101297

Dimensions

Length (in): 20.0
 Width (in): 15.5
 Height (in): 7.5
 Weight (lbs): 26.0
 Square (ft²)/Cube (ft³): 2.2/1.4

Power

Input
 DC: 9-36 VDC

AC, Input Converter: 100-240 VAC @ 50/60Hz

Output

To Radio: 26.5 VDC
 Auxiliary: 12-32 VDC

Temperatures

Operating: -40°F to +131°F
 Storage: -59°F to +160°F

Associated TAMCNs: A20427G, Radio Set AN/PRC-150 (C); A20687G, Radio Set (Falcon II) AN/PRC-117F (V)1C.

Replaced TAMCN: H77062G, ID 1119A Power Adapter, Single Radio, 24V MRC-93, NSN: 6130-01-520-8178.

Transportability: Treat as cargo.

NOTE: The AN/PRC-117F RPA accepts 24 VDC from a BA-8180 or from 62 watt Solar panels.