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
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.


Transportability: Treat as cargo.

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