

MRC-UPU0006/-1

Power Supply for AN/PRC-117G

Technical Datasheet

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Overview

The MRC-UPU0006 series uninterruptible power supplies are designed specifically for the AN/PRC-117G radio. The MRC-UPU0006 features threaded standoffs on the bottom face of the unit. The power supply is also available without the standoffs (model MRC-UPU0006-01). The MRC-UPU0006 series feature simple arm/disarm toggle switches that removes the load from the internal battery when in the “disarm” position. When used with the AN/PRC-117G at an 8:1:1 duty cycle, the unit provides greater than 3 hours run time.

Like all Ultralife power supplies, this series is 85-250VAC/47-440 Hz ready, and has the ability to be powered from virtually any DC input source likely to be encountered in military and/or commercial vehicles. Each is MIL-STD-461E for EMI compliance and MIL-STD-810 compliant.

Features

- Wide range of DC input voltages
- Rear mounted connectors
- Available with threaded standoffs
- Simple Arm/Disarm toggle key
- Self contained operation

Technical Specifications

Part No.	MRC-UPU0006 (w/ threaded standoffs) MRC-UPU0006-1
Size H x W x D (inches)	3.91 x 7.1 x 5.75
Weight	5 lbs. nominal (including battery)
AC Input	85-250 VAC 47-440 Hz
DC Input	10-36 VDC
Output Voltage (Internal Battery)	24-33 VDC Lithium Ion
Transceiver Power	3 amp continuous 4 amp peak
Aux Power Output	26.5 VDC @ 1 amp continuous
Duty Cycle	8.1:1 - 3 hrs +
Operating Temperature	AC/DC: -30°C to +60°C Battery (Charging): 0°C to +45°C Battery (Discharging): -20°C to +60°C
Storage Temperature	-40°C to +71°C
Operating Altitude	15,000 ft.
Storage Altitude	40,000 ft.
Immersion	MIL-STD-810G
Humidity	95% relative
LED Indicators	AC/DC/Battery Power
Battery Charge	6 hours charge time
Safety	Auto-reset, over-current protection
Cables Included	PCP-35 AC input cable PCP-65 DC input cable
Cables Optional	PCP-55 Auto - DC automobile adapter PCP-40 DC input MRC-143A-07-02 NATO input
Accessories Optional	MRC-67A amplified speaker