

MRC-UPU0006 Series AN/PRC-117G Power Supply



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**



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MRC-UPU0006 Series 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 Voltage | 10-36 VDC |
| DC Output | 26 VDC +/- 1V |
| Output Voltage of Internal Battery | 24-33 VDC (Lithium Ion) |
| Transceiver Power | 3A continuous / 4A peak |
| Aux Power Output | 26.5 VDC @ 1A continuous |
| Duty Cycle | 8.1:1 - 3 hrs + |
| Operating Temperature | AC/DC: -30° to +60° C Battery (Charging): 0° to +45° C Battery (Discharging): -20° to +60° C |
| Storage Temperature | -40° to +71° C |
| Operating Altitude | 15,000 feet |
| Storage Altitude | 40,000 feet |
| 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 PCP-65 DC input |
| Cables Optional | PCP-55 Auto - DC automobile adapter PCP-40 DC input MRC-143A-07-02 NATO input |
| Accessories Optional | MRC-67A amplified speaker |
| Color/Part No. | MRC-UPU0006 (w/threaded standoffs) MRC-UPU0006-1 |



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