

Interoperable Power Adapter and Charger

PSU-40



that is one source for many solutions.

When customers have totally new or unique requirements or need adaptations to meet mission critical program requirements, our design and engineering teams can provide extensive services ranging from mechanical, electrical, software and testing. Based on your defined needs, we provide total solutions including costing, prototyping, testing and manufacturing.

Ultralife Communications comprises two brands: McDowell Research and AMTI.

Features

- Continuous operation via AC AND DC power modules sized to allow continuous transceiver operation
- Wide range of AC and DC input voltages allows for nearly any AC or DC power source or other 26.5 VDC power source
- Allows operation independent of power source
- Battery can be recharged while the transceiver is operating

Overview

The PSU Series of interoperable power adapters and chargers are self-contained units that connect directly to the following equipment:

- PRC-522 Combat Net Radio
- AN/PSC-5 Series Transceivers
- AN/PRC-117F Transceivers
- AN/PRC-150 Transceivers
- AN/PRC-138 Series Transceivers
- AN/URC-200 Series Transceivers

One Source, Many Solutions

The PSU-40 is an example of the broad capabilities of Ultralife Communications Systems to provide products, systems and 'concept to reality' engineering solutions to the military and defense industries. Ultralife offers a wide range of products from batteries, RF amplifiers, chargers, power adapters, speakers, cables/connectors, equipment mounts and case equipment.

As a worldwide leader in power solutions and accessories, Ultralife customers benefit from a company

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Technical Specifications:

Part No	PSU-40
NSN	6130-01-541-5835
AC input	95-265 VAC 47-440 Hz
DC input	9-36 VDC
DC output	26.5 VDC at 5.5 amps 26.5 VDC at 7 amps (peak)
Size	3.27"H x 10.6"W x 6.25"D
Weight	3.75 lbs. (without battery)
Operating temperature	-30°C to +55°C
Storage temperature	-50°C to +65°C
Operating altitude	27,000 ft.
Storage altitude	55,000 ft.
Immersion	10 ft.
Humidity	95% relative
Internal battery	PSU-40 uses commercial sealed lead-acid battery
Cables included	PCP-35 AC input cord PCP-40 DC input cord
Cables optional	PCP-55/65 Auto - DC w/banana plugs PCP-235 NATO input cable