

BB-X90 Series & BA-5590 External Battery Power Supply

MRC-83



Features

- Secured output connections with MIL-STD 8-pin connector
- Diode isolated batteries to protect back-feeding
- Water-resistant aluminum with protected output terminals
- Batteries wired in parallel to combine current capacity of multiple batteries when longer power required

Overview

For in the field power operations, the MRC-83 can contain up to two of any of the BB-X90 series rechargeable batteries or the BA-5590 non-rechargeable in a rugged enclosure with one MIL-STD 8-pin circular connector. Depending upon the type of equipment requiring power, cables can be provided.

While a simple but rugged design, the combination of deep drawn aluminum housing with an outer lip seal makes the unit waterproof when the unit's cover is closed. The top cover uses metal connectors to assure reliable matings with the various batteries and when combined with internal battery separators assure positive battery alignment.

One Source, Many Solutions

The MRC-83 is another 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 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.

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Technical Specifications:

Part No	MRC-83
DC output	24-33 VDC (depending on battery) at 2.5 to 6 amps (depending on battery)
Size	6.375"H x 2.975"W x 9.125"D
Weight	3.75 lbs.
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	3 ft.
Humidity	95% relative
Battery types	UBI-2590, BB-2590, BB-390, BB-490, BB-590, BB-690, BA-5390, BA-5590
Note	Each battery is diode protected to prevent back feeding