

MRC-83

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

Technical Datasheet

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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 H x W x D (inches)	6.38 x 2.98 x 9.13
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

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.

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