

MRC-44 Battery Box



Overview

The MRC-44 is a watertight, single battery enclosure providing a regulated and protected output from a standard military xx90 series battery. Overpressure and equalization features are provided for safety. Providing for nominal 12 VDC operations, the MRC-44 is well suited to provide a safe and secure source of power for many of today's modern hand-held electronic devices such as hand-held radio and tactical receivers.

Designed with the tactical environment in mind, the MRC-44 meets a variety of MIL-STD-810 environmental achievements as well and MIL-STD-461 for EMI/RFI assuring that the MRC-44 is clean source of power for today's sensitive electronics.

Operation is as simple as installing a battery, securing the lid, and attaching the power cable for your device.



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MRC-44 Technical Specifications

Part No.	MRC-44
Power Output	10-14VDC (dependent upon battery voltage level)
Size (H x W x D - inches)	2.8 x 4.75 x 5.32
Weight	<1 lb.
Compatible Batteries	<ul style="list-style-type: none"> • BA-5390 Lithium Manganese Dioxide • BA-5590 Lithium/Sulfur Dioxide • UBI-2590 Rechargeable Lithium Ion • BB-2590 Rechargeable Lithium Ion • BB-390 Nickel Metal-Hydride • BB-490 Sealed Lead-Acid • BB-590 NiCad • And other similar construct of battery
MIL-STANDARDS Include	<ul style="list-style-type: none"> • Vibration • Shock-functional • Temperature <ul style="list-style-type: none"> ◦ Storage -32°C to +71°C (-25.6°F to 159.8°F) ◦ Operational -32°C to +49°C (-25.6°F to +120.2°F) • Altitude <ul style="list-style-type: none"> ◦ Storage 37,000ft ◦ Operational 15,000ft • Humidity • Sand & Dust • Immersion 1 meter, 30 minutes • Salt Fog • EMI – Mil-Std 461G • MTBF Greater than 30,000 hours
Safety	<ul style="list-style-type: none"> • Overpressure • Equalization • TB 43-6135 (CECOM Safety Office Technical Bulletin) compliant
Short Circuit protected	
Reverse polarity protected	
Aluminum construction	



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