

Batteries & Battery Module System

Batteries

Communication and wireless network power systems typically require back-up power capacity at 8-10 hour rates or more. It's important that reserve battery systems in stand-by applications are sized properly and utilize high quality cells resulting in a long design life. Many factors must be considered when specifying and selecting the proper batteries for these applications, including peak and average loads, current, run time, ambient temperature, battery chemistry type, energy density, and desired re-charge interval.

Newmar can assist you in specifying your battery strings and supply the proper system for your application. Once we determine your needs, we can have the batteries delivered directly to your site, as part of a complete rackmount power system, a battery rack, or just the batteries themselves. Please contact us and we'll do the analysis for you and recommend a cost effective, reliable turnkey system.

For related accessories, see page 15 for a selection of rackmount battery trays and page 16 for battery disconnect panels.



BM Series Battery Module

The BM Series Battery Module provides sealed, maintenance-free batteries in an easy to install rackmount shelf. Multiple modules may be paralleled for increased capacity.

The system comprises a rackmount Battery Shelf and one or two 48 VDC Battery Modules. The battery modules slide easily into the shelf and are secured in place with a rear retaining pin and a front panel latch.

Plug-in connector assemblies on rear panel provide quick connection to system load and/or paralleling multiple Battery Modules to meet run time requirements.



Features

- Battery Modules slide easily into shelf and plug quickly into DC power systems; shelf accommodates 2 Modules
- Modules and shelf fit together in low profile design – only 2RU (3.5")
- Plug-in connector assemblies enable quick, easy, plug-and-play installation
- Mounting brackets provided with battery shelf adapt for both 19" and 23" racks, 6" forward mount configuration

Specifications

Model	Voltage		Reserve Capacity	Circuit Breaker Protection
	Nominal VDC	Float VDC		
BM-48-4	48	54.4	4 Amp-Hour	15 amp

Internal Battery

Constant Current Performance (Amps) to 1.75 VPC

MODEL	5 MIN.	15 MIN.	30 MIN.	1 HR.	2 HRS.
BM 48-4	15.0	8.0	5.0	3.0	2.0

- **Battery Type: Lead-Acid;** Sealed, maintenance-free AGM. IATA and D.O.T. certified for shipment by air.
- **Typical Battery Life:** 3-5 years in standby use

Case Size

	Inches	Centimeters	Weight (Lbs/Kg)
Battery Module	3.4 H x 7.4W x 18.8D	8.6 H x 18.8 W x 47.8 D	20/9
Battery Shelf	3.5 H x 19/23 W x 18.2 D	8.9 H x 48.3/58.4 W x 46.2 D	5/2.3



Powering the Network