

Battery Shelf and Module System

Installing system back-up batteries or increasing current capacity has never been easier. The BM Series Battery Module, provides the complete solution in one low profile 2RU (3.75") chassis. No need for sourcing and installing battery trays, interconnect cable, terminals, lugs, battery breaker, etc. The BM provides it all in one package – sealed, maintenance-free batteries included – with easy input/output plug-in connectors on the chassis rear. Multiple modules may be paralleled for increased capacity.

The system comprises a rackmount Battery Shelf and one or two 48 VDC, 24 VDC or 12 VDC Battery Modules. The shelf and modules are sold separately.

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 provide for 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
- Modules and shelf fit together in low profile design – only 2RU (3.5")
- Internal batteries are sealed, maintenance-free and are IATA and DOT certified for shipment by air
- Plug-in polarized connector assemblies enable quick, easy, plug-and-play installation and eliminate the danger of reverse polarity connections
- Multiple BM/BMS systems may be paralleled for increased reserve capacity
- 19" and 23" rack mounting brackets are provided for 6" forward mount configuration (3" relay rack rail required.) Additional brackets are available for cabinet mount, or table-top/under shelf/wall mount of individual modules without shelf assembly
- Battery on-line/off-line circuit breaker/switch controls output and provides overload protection

Mechanical

- Mounting brackets provided with battery shelf adapt for both 19" and 23" racks, 6" forward mount configuration
- Flush (cabinet) shelf mounting and "universal" mounting of individual modules are also available as installation options

Specifications

Model	Voltage Nominal VDC	Float VDC	Reserve Capacity	Circuit Breaker Protection
BM-48-4	- 48	-54.4	4 Amp-Hour	15 amp
BM-24-8	+24	+ 27.2	8 Amp-Hour	30 amp
BM-12-16	+12	+ 13.6	16 Amp-Hour	50 amp

BMS-19/23 Rackmount shelf accommodates 1 or 2 Battery Modules

- **Over-Current Protection:** Circuit Breaker/ Switch (see matrix for value)
- **Output Connector Rating:** 50 amps maximum
- **Temperature Rating:** -15° C to +50° C
- **Battery Type: Lead-Acid;** Sealed, maintenance-free Agm. IATA and Dot certified for shipment by air.
- **Typical Battery Life:** 3-5 years in standby use

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
BM 24-8	30.0	16.0	10.0	6.0	4.0
BM 12-16	40.0	32.0	20.0	12.0	8.0

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