

# POWER BROADBAND BATTERY SOLUTIONS



The most comprehensive range of VRLA batteries designed specifically for Broadband CATV Applications



MC - MCP Series

**POWER**   
Power for a World of Applications



The Broadband Series of Valve Regulated Lead Acid (VRLA) batteries has been specifically designed for the rigorous requirements of Broadband Power. This line of batteries is offered in both standard and premium versions to cover a wide range of applications. The Standard Broadband Series is designed for CATV. The Premium Broadband Series is designed to provide advanced protection for CATV / TELEPHONY use, where superior performance and battery life are required.

### Features

- A recognized component of U.L.
- Non-spillable valve regulated lead acid (VRLA) design.
- Cold forged nonporous terminal bushings.
- Advanced absorbed glass mat (A.G.M.) technology.
- Operates at a low internal pressure.
- 99.7% pure lead calcium grids.
- Standard carrying handle.
- Low porosity shock absorbent polypropylene case.
- Thermally welded case to cover bond.
- State of the art manufacturing process.
- Threaded stud terminal for ease of installation.

### Premium Series

- Copper insert terminals.
- Re-enforced thick wall case.

### No transport restrictions

- Surface transport. Classified as non-hazardous material as related to DOT-CFR Title 49 parts 171-189.
- Marine transport. Classified as non-hazardous material as per IMDG amendment 27.
- Air transport. Complies with IATA/ICAO, Special Provision A67.

## Operating specifications

• Operating temperature range:	-40°C/-40°F to 60°C/140°F
• Charging voltage / current:	2.27 to 2.30 volts per cell, constant voltage at a maximum current of C/4 amps.
• Temperature compensation:	Apply for temperature range of 0°C/32°F to 40°C/104°F. Subtract 3 mV/°C/cell or 1.7 mV/°F/cell, above 25°C/77°F. Add 3 mV/°C/cell or 1.7 mV/°F/cell, below 25°C/77°F.
• Storage time from a fully charged condition:	6 months at 25°C/77°F . For each 9°C/15°F rise, reduce the storage time by half.

**Constant current discharge rates - Amperes to 1.75 VPC @ 77 °F (25°C)**

Battery model number		Minutes		Hours								
Standard	Premium	60	90	2	3	4	5	6	7	8	9	10
MC-90	MC-90P	47.6	34.7	27.7	20.1	15.8	13.0	11.1	9.7	8.6	7.7	7.0
MC-100	MC-100P	57.1	41.6	33.2	24.1	19.0	15.6	13.3	11.6	10.3	9.3	8.4
MC-120	MC-120P	66.7	48.6	38.8	28.2	22.1	18.2	15.5	13.5	12.0	10.8	9.8
-	MC-150P	93.9	59.2	47.2	34.4	27.0	23.5	18.9	16.5	16.0	13.1	12.0

**General specifications**

Battery model number		Ratings		Dimensions - in / mm				Weight		Case	Terminal Type	
Standard	Premium	Volts	AH	L	W	H	H*	lbs	kgs	Size	Standard	Premium
MC-90	MC-90P	12	69	10.9/277	6.8/172	9.4/240	9.1/231	61	27.6	Gr 24	1/4" stud	1/4" copper insert
MC-100	MC-100P	12	82	12.7/323	6.8/172	9.5/241	9.1/231	72	32.6	Gr 27		
MC-120	MC-120P	12	96	13.5/343	6.8/173	9.5/240	8.5/216	82	37.2	Gr 31		
-	MC-150P	12	128	13.5/343	6.8/173	-	10.8/274	105	47.6	Gr 31 Tall	-	-

\* Height of Premium Series

TRANSPORTATION and DELIVERY, The Broadband Series is non-spillable, non hazardous, and meets all requirements and regulations for safe delivery.

Power Battery is committed to the Broadband industry with a drop ship program that eliminates the need to stock large quantities of batteries. We can also set up a Just in Time (JIT) local delivery program across North America, through the Power Battery distribution network.



LEGISLATION and RESPONSIBILITIES. All levels of governments have laws regulating the proper disposal of spent lead acid batteries. Private and corporate citizens have a legal and moral responsibility to insure that the environment is safe, not just for us today, but also for future generations.

YOUR RECYCLING PARTNER. If you have any doubts about the proper storage, transportation and disposal of your spent batteries, contact us. Power Battery is working together with a government approved lead recycling center that has the strictest requirements and the highest standards in North America.

VISIT OUR WEB SITE. For more information on recycling, visit us at [www.powerbattery.com](http://www.powerbattery.com).



**MISSION:** The Power Battery mission is to provide a reliable and competitive product backed up with the necessary technical expertise to meet the requirements of an increasingly demanding market place.

**PRODUCTS:** Power Battery is a manufacturing driven company. Our product development team combines market demands together with our engineering and manufacturing expertise to build a quality product and to do so in a fast and cost effective manner. The end result is a product that provides reliability and long life at an affordable price to the user.

**LOCATIONS:** Power Battery has three major corporate locations around the world. One in Paterson, New Jersey to meet the demands of the U.S.A., Latin America and the Pacific Rim; one in Iberville, Quebec to cover the Canadian market and a third in Romsey, England which covers the European, Middle East and African markets. Our Corporate headquarters, R&D center, manufacturing and distribution warehouse are located in Paterson. The Iberville facility is a high-tech automated manufacturing center, and has the distinction of being the only battery plant in Canada manufacturing V.R.L.A. batteries. The UK sales office also has a stocking warehouse with systems capability and service. Power Battery now has sales offices in Milan, Italy and Hong Kong with major distributors throughout South America, Europe, Africa and Asia. Visit our website at [www.powerbattery.com](http://www.powerbattery.com) for a complete listing of our worldwide distributors.

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