

## SEALED LEAD-ACID BATTERIES



### Description

The MGC line of Sealed Lead-Acid Batteries are maintenance-free and provide full rated power on demand. These rechargeable batteries are available in 6 and 12 volt models with a wide range of amperage ratings.

The 6 volt models are available in 5 AH, 7.2 AH and 12 AH versions while the 12 volt models are available in numerous versions ranging from 1.2 AH to 75 AH. The rechargeable batteries feature a rugged ABS constructed case and are ideal for use as a secondary power source for all MGC fire alarm control units.

### Features

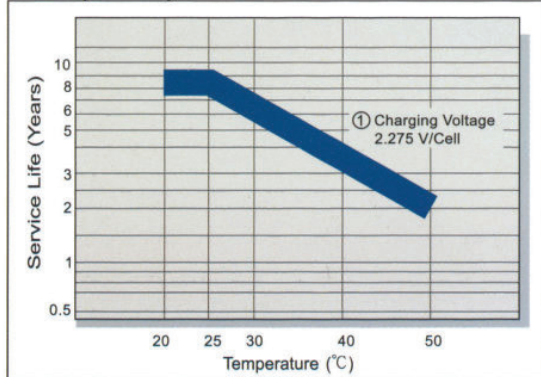
- Provide secondary power for control units
- 6 and 12 volt models
- Sealed and maintenance-free
- Non-spillable
- Rugged ABS constructed case
- Wide range of amperage ratings
- Long life
- Compact design
- UL Recognized Component under file number MH49879



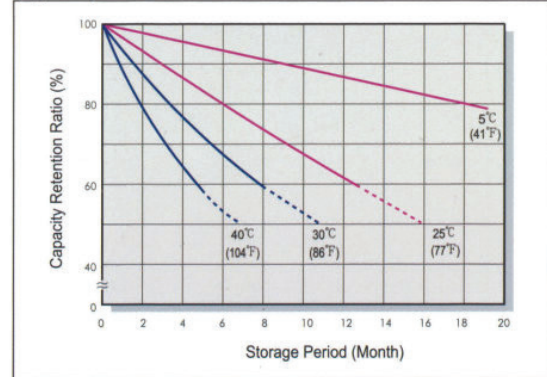
MH49879

## Battery Curves

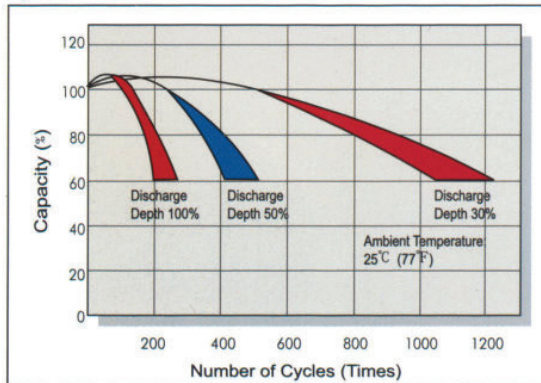
**Trickle (or Float) Service Life**



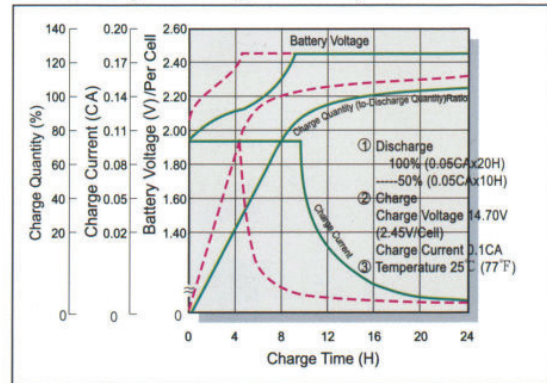
**Capacity Retention Characteristic**



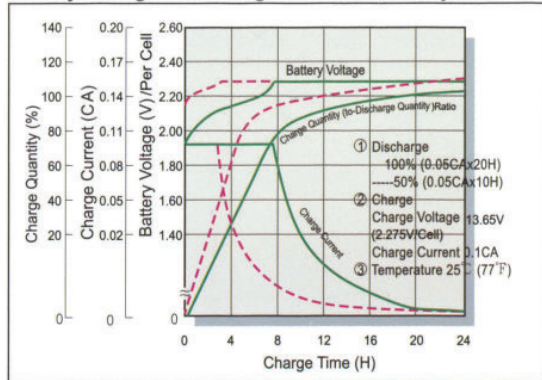
**Cycle Service Life**



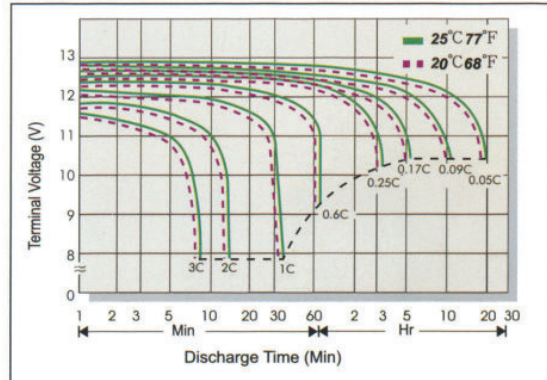
**Battery Voltage and Charge Time for Cycle Use**



**Battery Voltage and Charge Time for Standby Use**



**Terminal Voltage (V) and Discharge Time**



### Charging Procedures

Application	Charge Voltage (V/cell)			Max. Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	2.25°C (77°F)	2.45	2.40-2.50	0.3C
Standby	2.25°C (77°F)	2.275	2.25-2.30	

### Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/cell	1.75	1.70	1.65	1.60
Discharge Current (A)	0.2C > (A)	0.2C < (A) < 0.5C	0.5C < (A) < 1.0C	(A) > 1.0C

## Specifications

Model Number	Ratings		Dimensions							
	VDC	AH	Length		Width		Height		Weight	
			in.	mm	in.	mm	in.	mm	lb	kg
BAT-6V5A	6	5	2.76	70	1.85	47	3.90	99	1.83	0.83
BAT-6V7A	6	7	5.94	151	1.42	36	3.70	94	2.43	1.10
BAT-6V12A	6	12	5.94	151	1.97	50	3.70	94	3.64	1.65
BAT-12V1.2AH	12	1.2	3.86	98	1.71	43.5	2.05	52	1.28	0.58
BAT-12V5A	12	5	5.94	151	2.01	51	3.66	93	3.66	1.66
BAT-12V7A	12	7.2	5.94	151	2.56	65	3.70	94	4.74	2.15
BAT-12V12A	12	12	5.94	151	3.86	98	3.94	95	7.17	3.25
BAT-12V18A	12	18	7.13	181	3.03	77	6.57	167	11.90	5.40
BAT-12V26A	12	26	6.89	175	6.54	166	4.96	126	18.96	8.60
BAT-12V35A	12	35	7.68	195	5.12	130	6.34	161	22.49	10.20
BAT-12V42A	12	42	7.80	198	6.54	166	6.69	170	29.76	13.50
BAT-12V55A	12	55	9.02	229	5.43	138	8.19	208	38.58	17.50
BAT-12V75A	12	75	10.20	259	6.65	169	8.19	208	50.71	23.00

## Ordering Information

Model	Description
BAT-6V5A	Sealed Lead Acid Battery, 6 Volt, 5.0 AH
BAT-6V7A	Sealed Lead Acid Battery, 6 Volt, 7.2 AH
BAT-6V12A	Sealed Lead Acid Battery, 6 Volt, 12.0 AH
BAT-12V1.2AH	Sealed Lead Acid Battery, 12 Volt, 1.2 AH
BAT-12V5A	Sealed Lead Acid Battery, 12 Volt, 5.0 AH
BAT-12V7A	Sealed Lead Acid Battery, 12 Volt, 7.2 AH
BAT-12V12A	Sealed Lead Acid Battery, 12 Volt, 12.0 AH
BAT-12V18A	Sealed Lead Acid Battery, 12 Volt, 18.0 AH
BAT-12V26A	Sealed Lead Acid Battery, 12 Volt, 26.0 AH
BAT-12V35A	Sealed Lead Acid Battery, 12 Volt, 35.0 AH
BAT-12V42A	Sealed Lead Acid Battery, 12 Volt, 42.0 AH
BAT-12V55A	Sealed Lead Acid Battery, 12 Volt, 55.0 AH
BAT-12V75A	Sealed Lead Acid Battery, 12 Volt, 75.0 AH



**Canada**  
 25 Interchange Way  
 Vaughan, Ontario L4K 5W3  
 Telephone: (905) 660-4655  
 Fax: (905) 660-4113

**U.S.A.**  
 4575 Witmer Industrial Estates  
 Niagara Falls, NY 14305  
 Toll Free: (888) 660-4655  
 Fax Toll Free: (888) 660-4113



**THIS INFORMATION IS FOR MARKETING PURPOSES ONLY AND NOT INTENDED TO DESCRIBE THE PRODUCTS TECHNICALLY.**

For complete and accurate technical information relating to performance, installation, testing and certification, refer to technical literature. This document contains intellectual property of Mircom. The information is subject to change by Mircom without notice. Mircom does not represent or warrant correctness or completeness.