



Valve Regulated Sealed Lead-acid Battery (AGM Deep-cycle Series)

12V / 100Ah | 12V / 150Ah | 12V / 200Ah



Features

- Maintenance-free with precision sealing technology and a valve-sealed design eliminating free electrolyte
- High corrosion-resistant performance: Pb-Ca multi-alloy grid
- High energy density and power density
- Optimized capability of instant high-current discharging
- Long cycle life and outstanding deep cycle discharge ability
- Excellent charge acceptance capability
- Excellent deep cycle discharge capability
- Low self-discharge rate

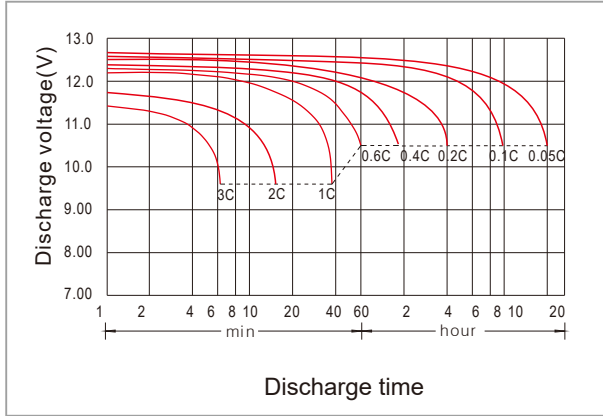
Specifications

Model	MR-PBL12-100	MR-PBL12-150	MR-PBL12-200
Nominal Voltage	12V		
Nominal Capacity	100Ah	150Ah	200Ah
Rated Capacity	100Ah (20hr, 5.0A, 10.5V)	150Ah (20hr, 7.5A, 10.5V)	200Ah (20hr, 10.0A, 10.5V)
	76.2Ah (3hr, 25.4A, 10.2V)	121.5Ah (3hr, 40.5A, 10.2V)	164.1Ah (3hr, 54.7A, 10.2V)
	62.6Ah (1hr, 62.6A, 9.6V)	93Ah (1hr, 93.0A, 9.6V)	135Ah (1hr, 135.0A, 9.6V)
Terminal	M8		
Approx. Internal Resistance	5.2 mΩ	3.8 mΩ	4.0 mΩ
Approx. Weight	28.0kg	42.5kg	57.0kg
Container Material	ABS		
Design Life	10 years		
Max. Discharge Current	1200A (5sec)	1800A (5sec)	2400A (5sec)
Max. Charging Current	25.0A	37.5A	50.0A
Float Charging Voltage	13.5V – 13.8V @ 25°C		
Cycle Use Voltage	14.4V – 15V @ 25°C		
Nominal Operating Temperature Range	25°C±5°C		
Operating Temperature Range	Discharge: -20°C – 50°C (-68°F – 122°F)		
	Charge: -20°C – 50°C (-68°F – 122°F)		
	Storage: -20°C – 50°C (-68°F – 122°F)		
Self Discharge	3% of capacity declined per month at 25°C		

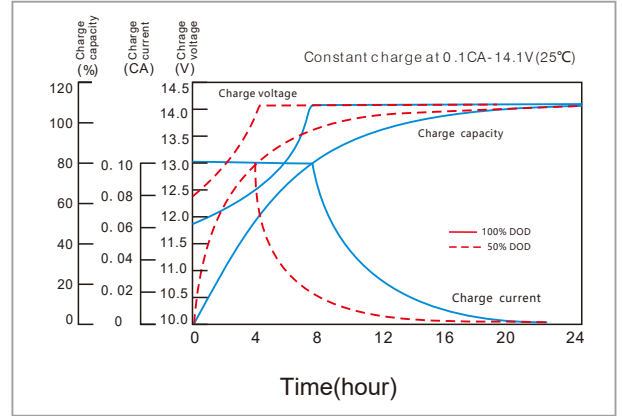
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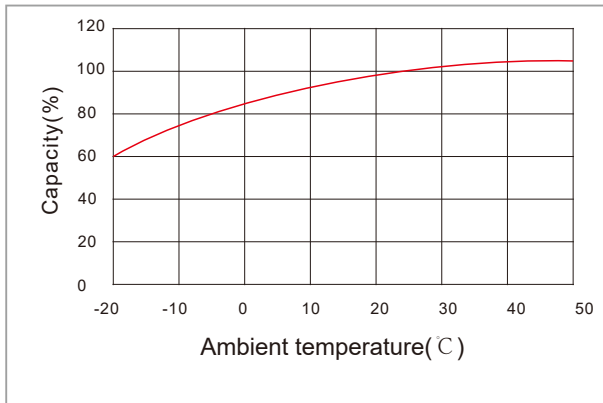
Discharge Characteristic



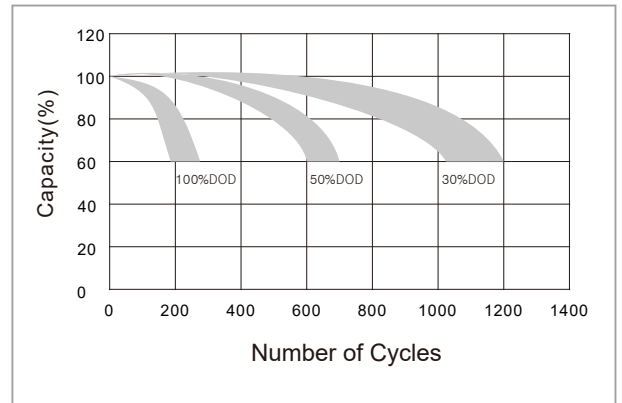
Charging Characteristic



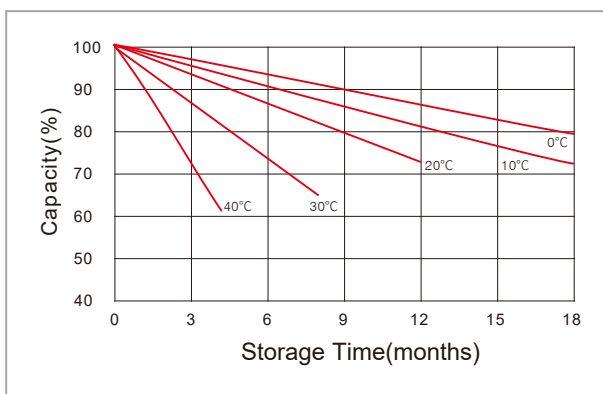
The Effect of Temperature On Capacity



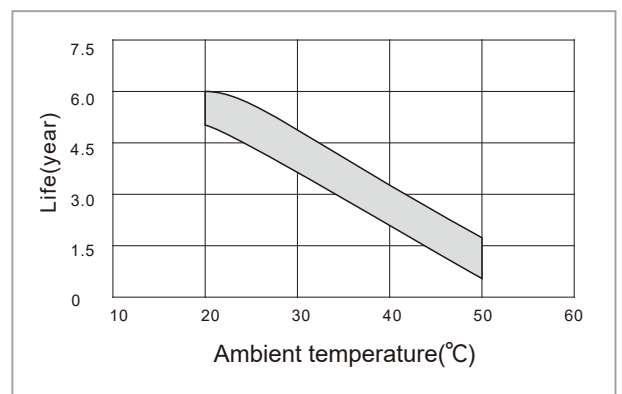
The Effect of Discharge Depth On Cycle Life



Curves of Self-discharge



The Effect of Temperature On Float Life



Note:

All above information shall be changed without prior notice, MARSRIVA reserves the right to explain and update the latest information.