



BM 6225

Flooded / wet lead-acid battery

BM SERIES

Scissor Lift / Electric Vehicle



Our BM series batteries are built to provide an ultra-long life while withstanding a bumpy ride on some of the world's roughest and mountainous golf course located in South Korea. These batteries will provide a lively ride throughout the round.

Technical Feature

◆ Case & Cover

1. Use of Polypropylene(PP) resin.
2. A special saddle plate installed for prevention of a short on the bottom from withdrawal of active substances.
3. A design which keeps in electrolyte from being leaking

◆ Separators

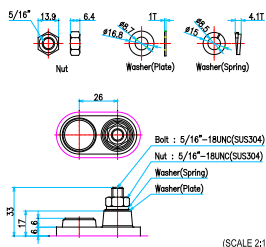
1. Use in highly porous and corrosion-resistant PVC or PE material.
2. A glass mat applied to the surface to prevent withdrawal objective substances.
3. Low electric resistance and excellent physical traits.

◆ Plates

1. Made from 99.99% or higher purity lead processed into an active substances.
2. Use an antimony alloy metal with higher corrosion-resistance on the board.
3. The negative plate uses highly porous and deep cycle-resistant additives.
4. A special additive applied the positive plate for long service life.

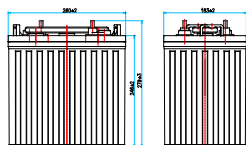
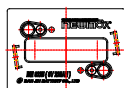
◆ Electrolyte & Cap

1. Electrolyte contain highly pure, refined sulfuric acid (KS M 1203 No.3 or higher)
2. CAP has a structure that can filter acid haze and gas generated during the recharge step 3, discharge only the gas.
3. Uses a flame arrestor that can prevent an explosion from inflammation of the interior.



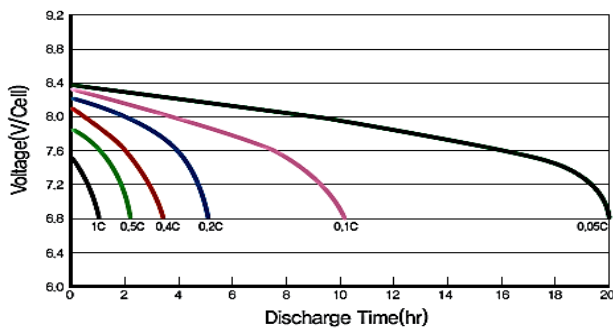
Die-casting terminal

G1-01

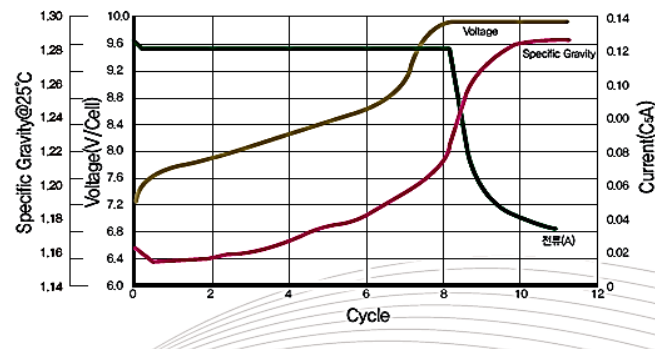


Battery model	BM 6225 (6V225AH / 20 HOUR RATE)					
Dimensions (mm)	Length	Width		Height		Total Height
	260	183		247		279
Approx. weight	28.6kg (63.05lbs)					
Operating temperture (°C)	Charge	10 ~ 35°C				
	Discharge	-15 ~ 45°C				
Max. discharge current (5sec)	414 A	Recommended max. discharge current (continuous)			100A	
Capacity affected by Temperature	30°C(86°F)	25°C(77°F)		10°C(50°F)		-10°C(14°F)
	105%	100%		94%		75%
Electrolyte / Separator	Sulfuric Acid 1.280±0.015 sp.gr (25°C) / PVC or PE + Glass mat					
Recommened Charging (25°C)	Charging voltage (Constant power)			Charging current		
	2.375V/cell absorption & 2.58V/cell finishing voltage			Max 41.0A		
Discharge specification	Ah (Ampere hour)			Minutes of Discharge		
Capacity (25°C)	100HR	20HR	5HR	@75A	@56A	@25A
	248	225	185	116	165	447

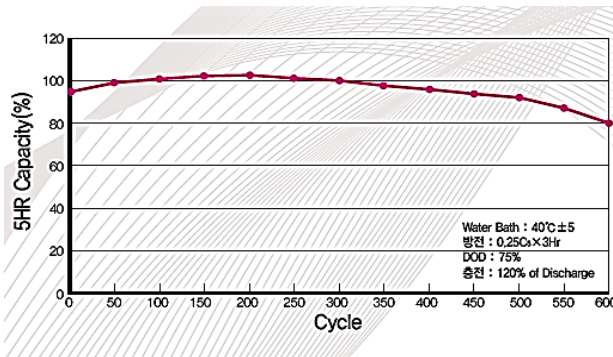
Discharge characteristics



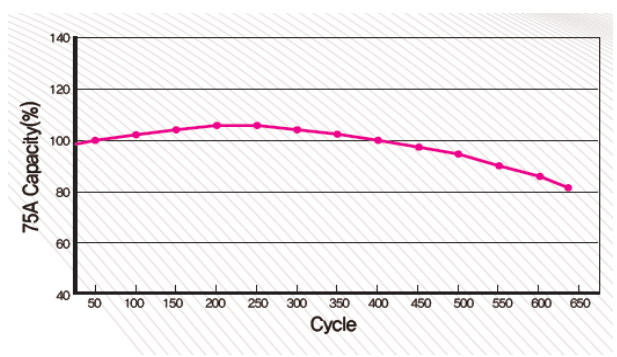
Charging characteristics



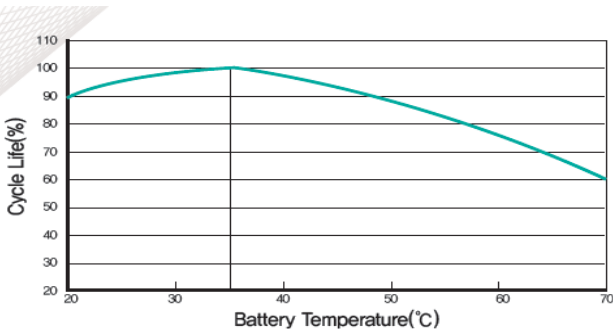
5HR Cycle life characteristics



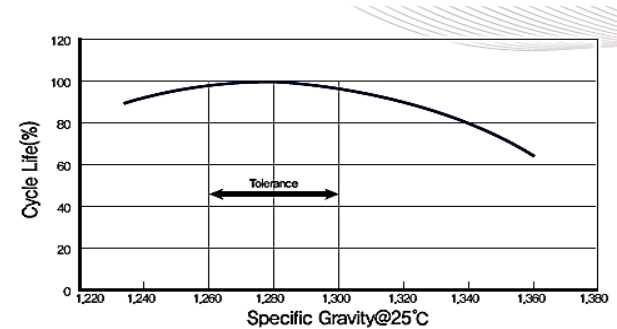
75A discharge cycle life characteristics



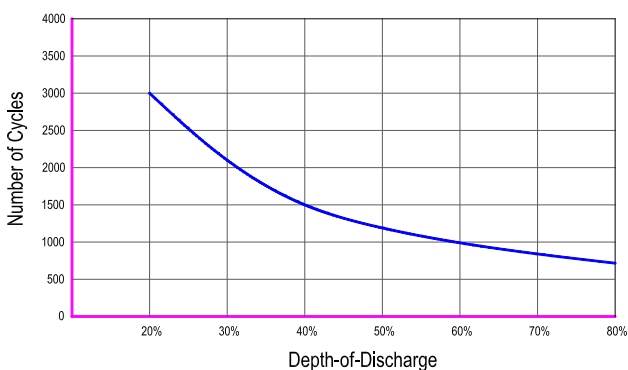
Service life characteristics based on temp.



Service life based on electrolyte sp.gr



Cycle life in a stationary application (@25°C)



Relationship between capacity & Temp.

