

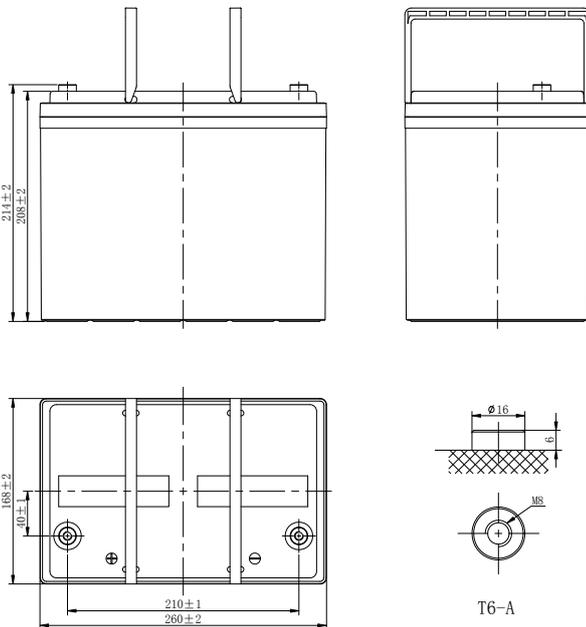
DEEP CYCLE AGM BATTERY

RM12-90LC-M8 12V / 85Ah



CHARACTERISTICS

Item	Specifications		
Voltage	12V		
Dimension	Length	260mm (10.2inches)	
	Width	168mm (6.61inches)	
	Container Height	208mm (8.19inches)	
	Total Height	214mm (8.43inches)	
Approx Weight	23.5kg (51.8lbs)		
Terminal	T6-A(M8)		
Container Material	ABS		
Reserve Capacity	25A	175min	
	75A	35min	
	20HR	85Ah	
Capacity	5HR	73Ah	
	Discharge	-20~55°C (-4~131°F)	
Operating Temp. Range	Charge	0~40°C (32~104°F)	
	Storage	-15~40°C (5~104°F)	



APPLICATIONS

- Electric vehicle
- Golf cart
- Sightseeing
- Cleaning equipment
- AWP
- Mobility



Note: Terminal Torque Values in-lb(Nm):97.35-130.0(11.0-14.7)



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GENERAL FEATURES

Stable initial capacity

- PAM/NAM amount optimization
- 4BS crystal paste mixing & curing technology
- Double layer separator technology
- Improved design electrolyte S.G.

Less water loss

- PAM/NAM amount optimization
- New PAM/NAM recipe introduced
- Rare earth alloy

Solve NAM sulphation

- Carbon boost technology
- Pre-sulfate technology

Improved PSoC cycling

- Carbon boost technology
- Mix carbon boost technology
- Targeting for higher level through carbon technology

Delay PAM softening and shedding

- Plate assembly pressure re-engineering
- 4BS crystal paste mixing & curing technology
- Higher paste density

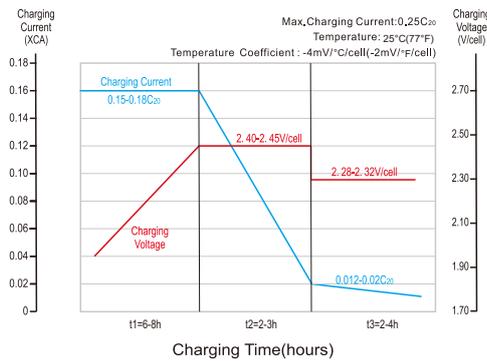
Optimize electrolyte stratification

- Introduce AGM-GEL technology

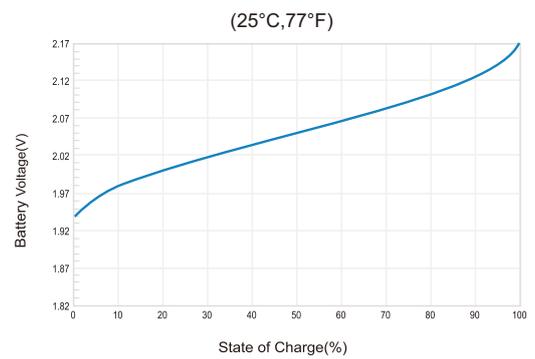
Excellent deep cycle performance

- Plate assembly pressure re-engineering
- New PAM/NAM recipe introduced
- Gel electrolyte technology
- Rare earth alloy
- Double layer separator technology
- Lower acid filling temperature

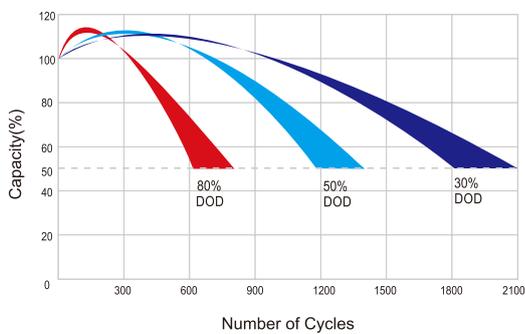
Charging Profiles



Relationship of OCV and State Of Charge



Cycle Life in Relation to Depth Of Discharges



Self-discharge Characteristics

