

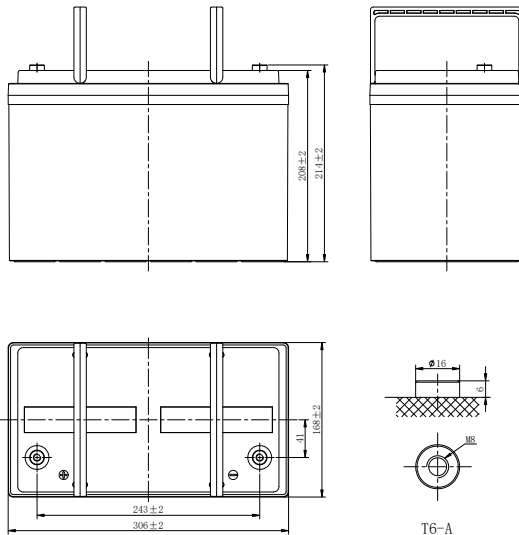
INCOMPARABLE DEEP CYCLE AGM BATTERY

HG12-90 HEY (12V90Ah)



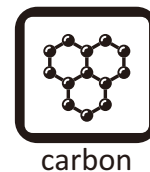
CHARACTERISTICS

Item	Specifications	
Voltage	12V	
Dimension	Length	305mm (12.0inches)
	Width	168mm (6.61inches)
	Container Height	207mm (8.15inches)
	Total Height	213mm (8.39inches)
Approx Weight	29.5kg (65.0lbs)	
Terminal	T6-A(M6)	
Container Material	ABS	
Reserve Capacity	25A	160min
	56A	53min
Capacity	20HR	90Ah
	5HR	77Ah
Operating Temp. Range	Discharge	-20~55°C (-4~131°F)
	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):34.39-47.75(3.9-5.4)



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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

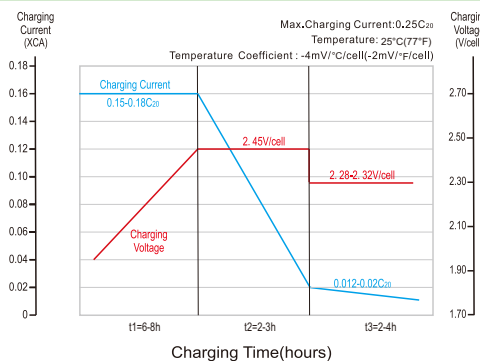
Optimize electrolyte stratification

- Introduce AGM-GEL technology

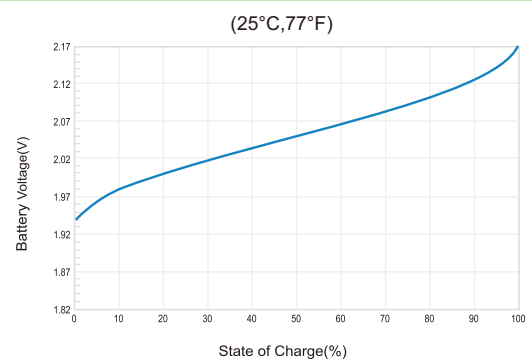
Excellent deep cycle performance

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

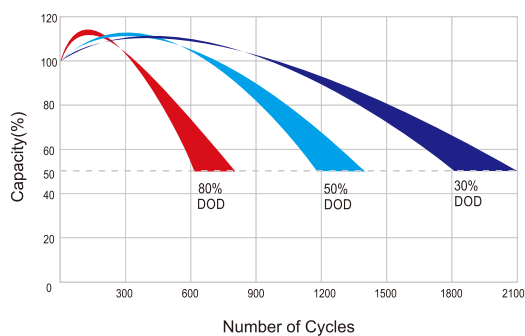
Charging Profiles



Relationship of OCV and State Of Charge



Cycle Life in Relation to Depth Of Discharges



Self-discharge Characteristics

