Royal BATTERY DISTRIBUTORS, INC.

DEEP CYCLE AGM TECHNOLOGY

DEEP CYCLE AGM BATTERY

AGMCP12V-90DT BCI GROUP 24

FEATURES & BENEFITS

- True deep cycle AGM technology-GREEN SOLUTION
- Over 99.99% virgin lead for grid plate and active material
- Heavy duty grid/paste design for deep cycle application
- Maintenance free, non-spillable, valve-regulated
- Double separator configuration:long cycle life & High energy density and super anti-vibration design
- Low self-discharge for longer shelf life



ELECTRICAL SPECIFICATIONS

Voltage(V)	Capacity (AH)					Reserve Capacity (Min)		
	100HR	20HR	10HR	5HR	3HR	@25A	@56A	@75A
12	93	90	85	77	72	175	65	43

PHYSICAL SPECIFICATIONS

Model	Dimensions (mm/inches)				Weight (kg/lbs)	Terminal Type (Standard)	Case Material
	Length	Width	Height	Total Height			
AGMCP12V-90DT	260 (10.24)	168 (6.61)	208 (8.19)	232.5 (9.15)	23.8 (52.5)	DT-5/16	ABS

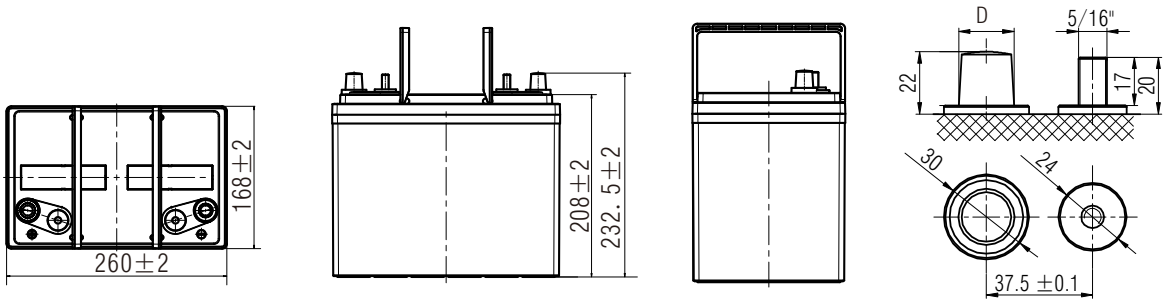
Operating Temperature Range		
Discharge	Charge	Storage
-15℃~50℃(5℉~122℉)	0℃~40℃(32℉~104℉)	-15℃~40℃(5℉~104℉)

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DIMENSIONS

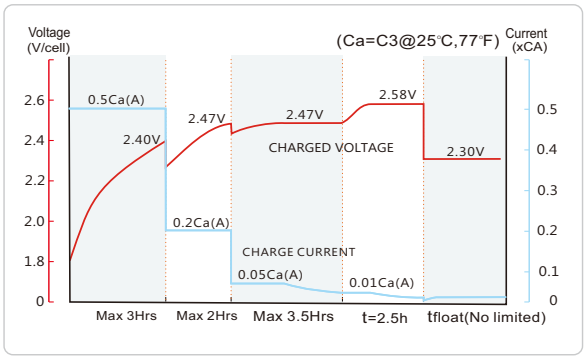
DT-5/16 Terminal



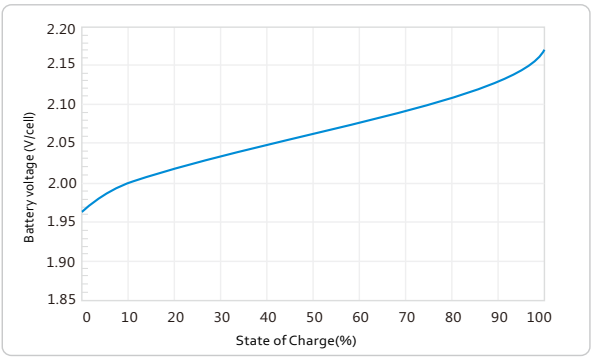
Note: D:Positive 19.5 $^{0}_{-0.3}$, D:Negative 17.9 $^{0}_{-0.3}$; Terminal Torque Values in-lb(Nm) :176-203(20-23)

PERFORMANCE CHARACTERISTICS

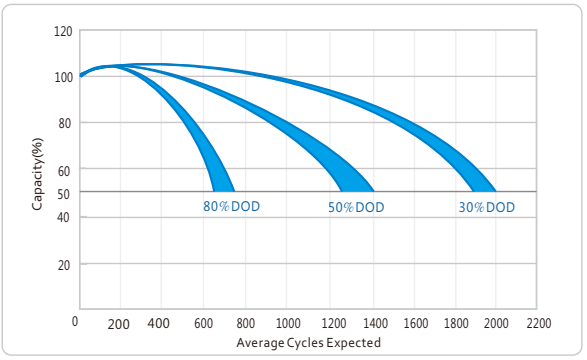
CONSTANT POWER AGM Charging Profile



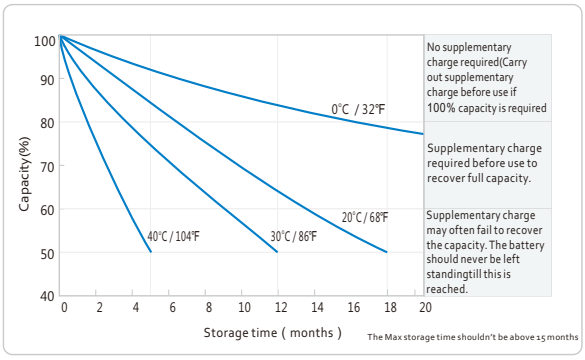
Relationship of OCV and State Of Charge (25℃,77℉)



Cycle life in relation to Depth Of Discharge



Self-discharge Characteristic



- **ROYAL BATTERY DISTRIBUTOS, INC:**

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