AGM DEEP CYCLE

31AGM

Pro-Guide®

BATTERIES

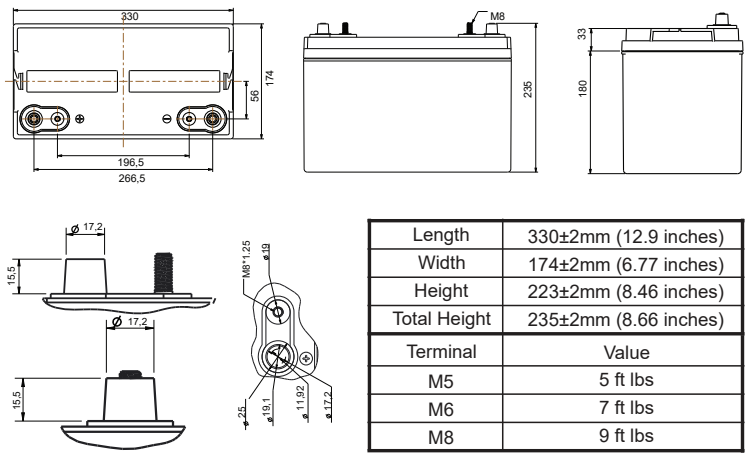


UNIT SPECIFICATIONS		
Cells Per Unit	6	
Voltage Per Unit	12	
Capacity	100Ah@20hr-rate to 1.75V per cell @ 77˚F	
Weight	Appx. 72.75 lbs (Tolerance±2%)	
Internal Resistance	Appx. 4.5mΩ	
Terminal	Duel Terminal (D/T)	
Max. Discharge Current	1000A (5 sec)	
Max. Charging Current	33 A	
Reference Capacity	C3	87 AH
	C5	90 AH
	C10	105 AH
	C20	110 AH
Reserve Capacity	205 min	
CCA:	800	
MCA:	1000	
Floating Charging Voltage	13.6 V~13.8 V @ 77˚F Temperature Compensation: -3mV/˚F/Cell	
Cycle Use Voltage	14.6 V~14.8 V @ 77˚F Temperature Compensation: -4mV/˚F/Cell	
Operating Temp Range	Discharge: -4˚F~140˚F Charge: 0˚F~122˚F Storage: -4˚F~140˚F	
Normal Operating Temp Range	68˚F ± 86˚F	
Self Discharge	Pro-Guide Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 77°F and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 77°F.Please charged batteries before using	
Container Material	A.B.S. UL94-HB, UL94-V0 Optional	

DC (Deep Cycle) is specifically designed for deep discharge, high cycle. Using a unique patented nano-Structural Carbon in the negative oxide "SC"provides superior deep cycle performance. The addition of SC allows the battery to be charged up to 25% faster than conventional deep cycle batteries, deliver 100% of rated capacity out of the box, increases the batteries resistance to over discharge and greatly improves cycle life in High Rate Partial State of Charge applications (HRPSoC).

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DIMENSIONS



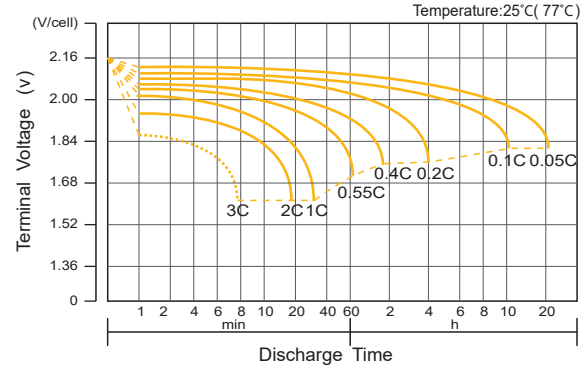
Length	330±2mm (12.9 inches)
Width	174±2mm (6.77 inches)
Height	223±2mm (8.46 inches)
Total Height	235±2mm (8.66 inches)
Terminal	Value
M5	5 ft lbs
M6	7 ft lbs
M8	9 ft lbs

Unit: mm

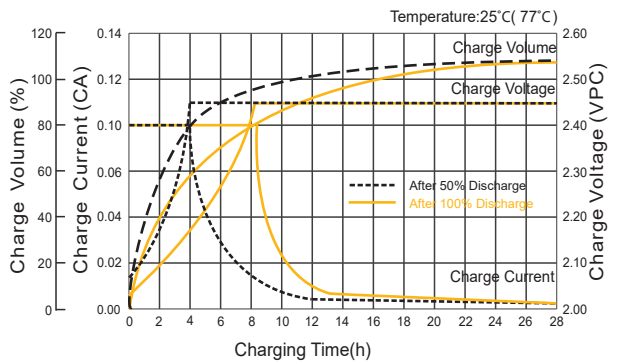
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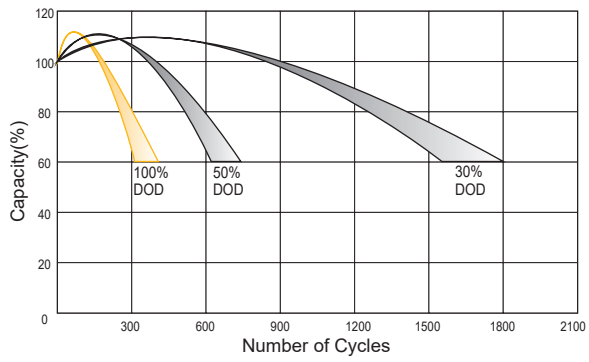
Discharge Characteristics Curve



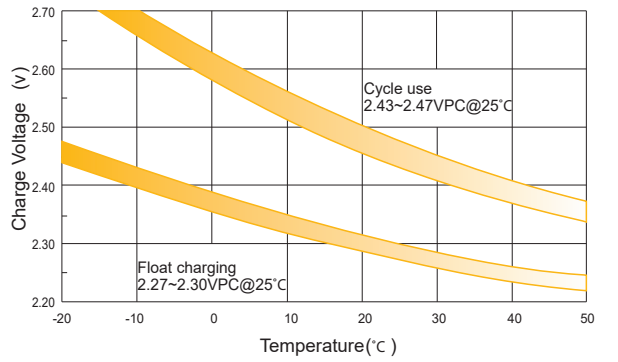
Charge Characteristic Curve for Cycle Use(IU)



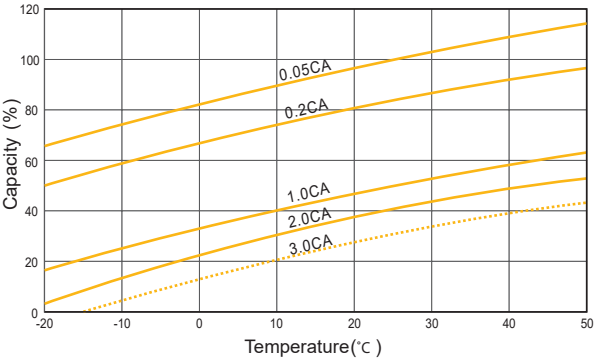
Cycle Life in Relation to Depth of Discharge



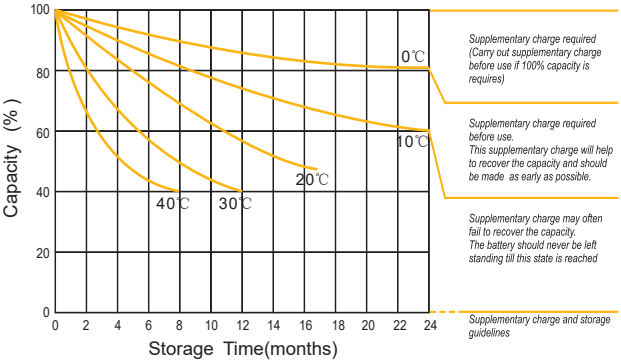
Relationship Between Charging Voltage and Temperature



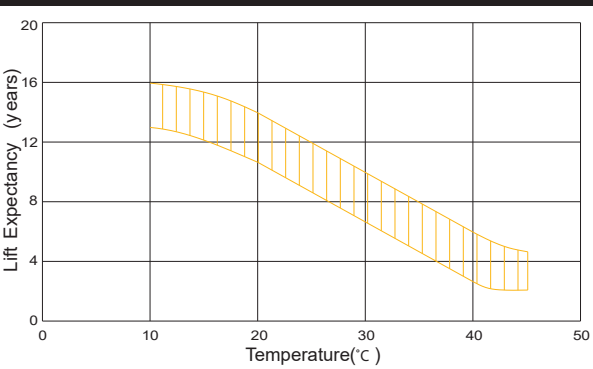
Temperature Effects on Capacity



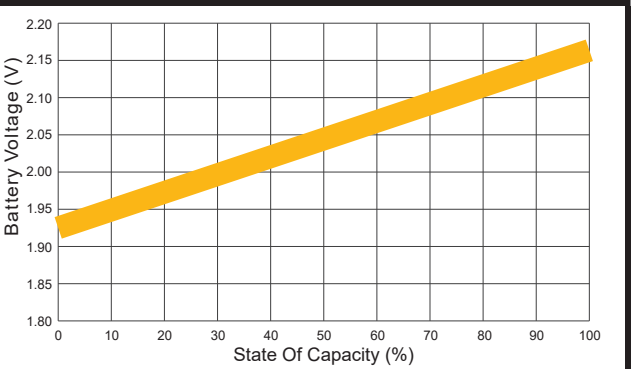
Storage Characteristics



Effect of Temperature on Long Term Life



Relationship of OCV And State of Charge(20℃)



NOTE: All information may be changed without prior notice. Pro-Guide reserves the right to update to the latest information.