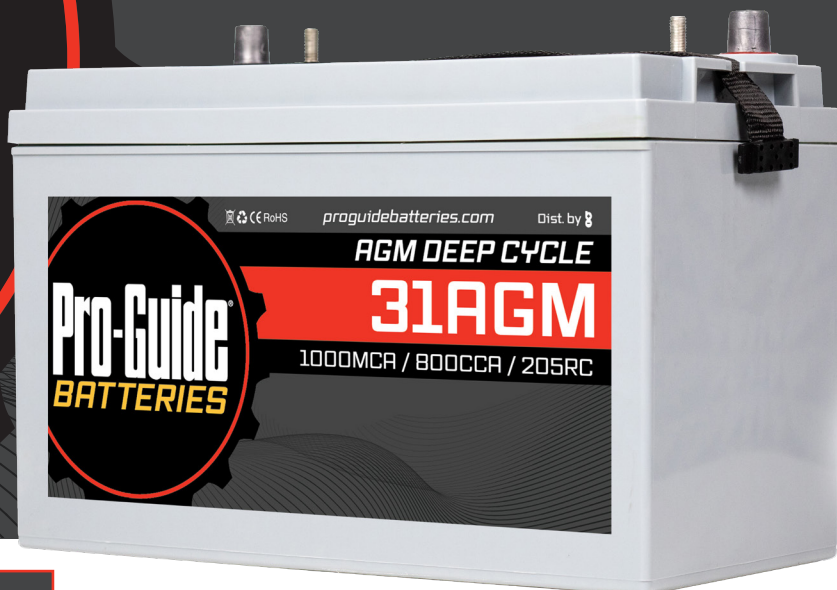


Pro-Guide® BATTERIES

AGM DEEP CYCLE

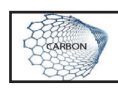
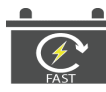
31AGM



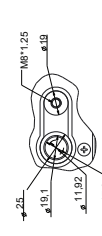
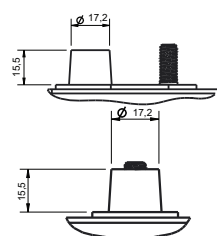
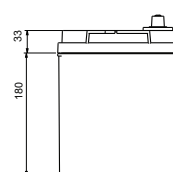
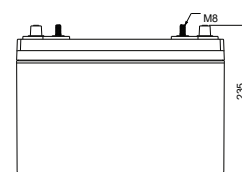
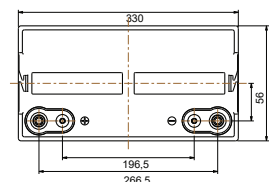
UNIT SPECIFICATIONS

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).



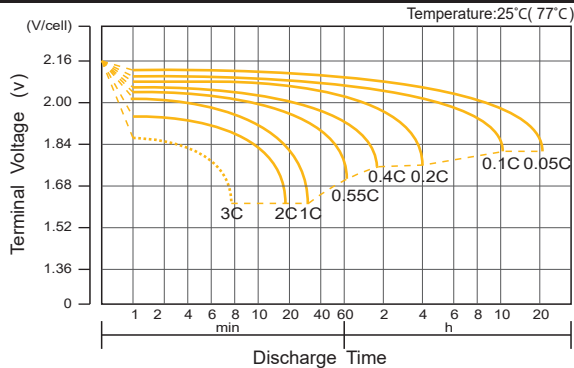
DIMENSIONS



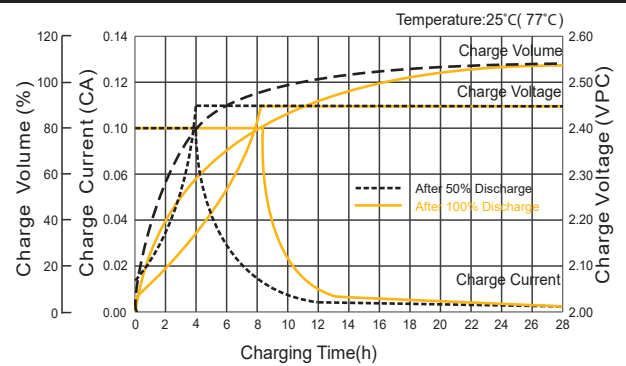
Length	330±2mm (12.9 inches)
Width	174±2mm (6.77 inches)
Height	223±2mm (8.46 inches)
Total Height	235±2mm (8.66 inches)
Terminal	Value
M5	5 ft lbs
M6	7 ft lbs
M8	9 ft lbs

Unit: mm

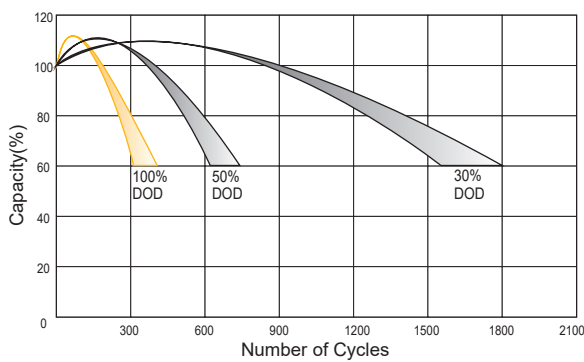
Discharge Characteristics Curve



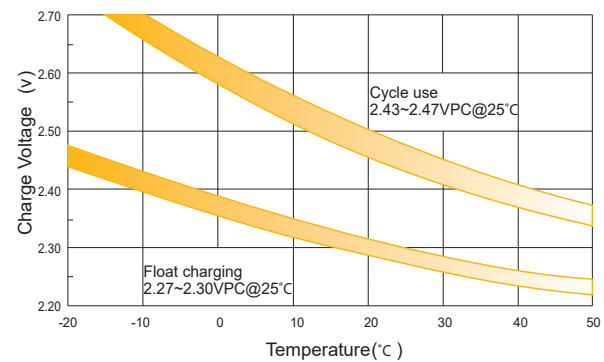
Charge Characteristic Curve for Cycle Use(IU)



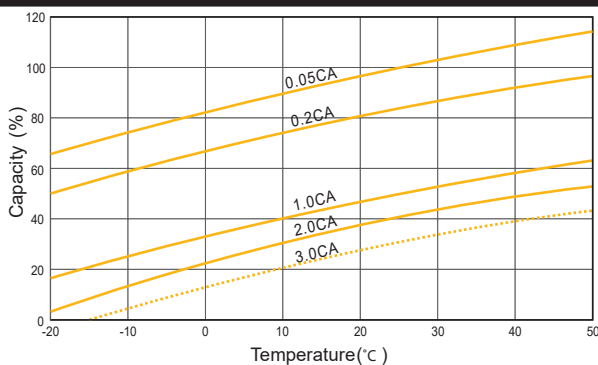
Cycle Life in Relation to Depth of Discharge



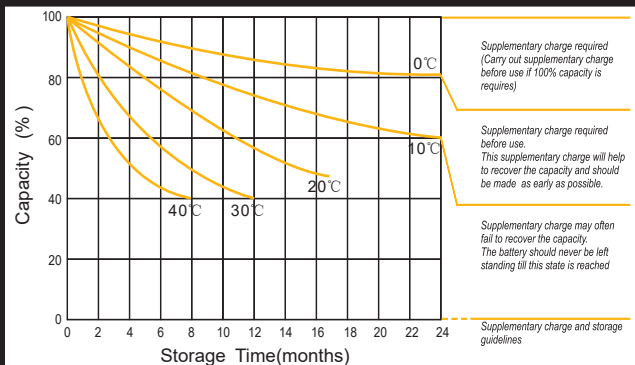
Relationship Between Charging Voltage and Temperature



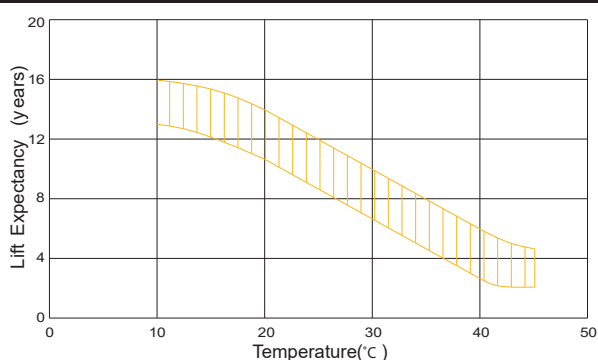
Temperature Effects on Capacity



Storage Characteristics



Effect of Temperature on Long Term Life



Relationship of OCV And State of Charge(20°C)

