

Pro-Guide® BATTERIES

AGM DEEP CYCLE

24AGM



UNIT SPECIFICATIONS

Cells Per Unit	6
Voltage Per Unit	12
Capacity	83Ah@20hr-rate to 1.75V per cell @ 77°F
Weight	Appx. 53.58 lbs (Tolerance±2%)
Internal Resistance	Appx. 5.0mΩ
Terminal	Duel Terminal (D/T)
Max. Discharge Current	830A (5 sec)
Max. Charging Current	24.9 A

Reference Capacity	C3	63 AH
	C5	72 AH
	C10	80 AH
	C20	83 AH

Reserve Capacity 150 min

CCA: 525

MCA: 635

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 Discharge: -4°F~140°F

Temp Charge: 0°F~122°F

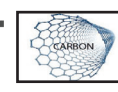
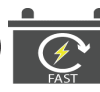
Range Storage: -4°F~140°F

Normal Operating Temp Range 68°F ± 86°F

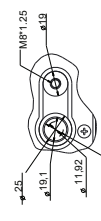
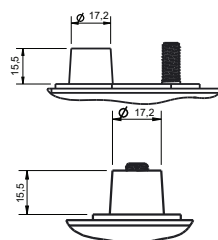
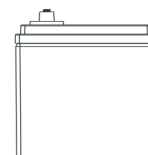
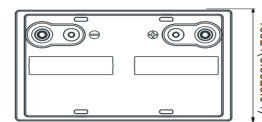
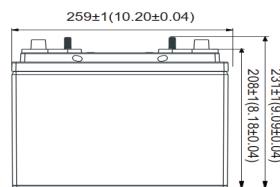
Self Discharge Pro-Guide Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 77°F and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 77°F. Please charged batteries before using

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).



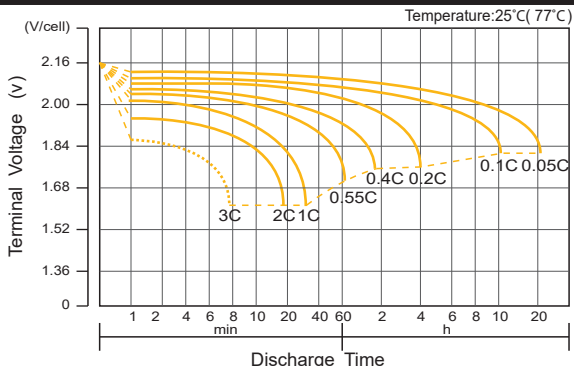
DIMENSIONS



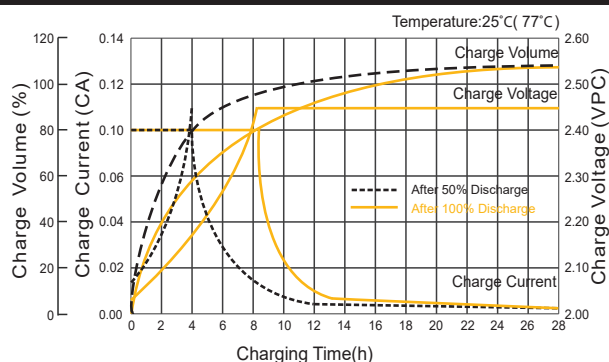
Length	259±2mm (10.20 inches)
Width	169±2mm (6.65 inches)
Height	208±2mm (8.18 inches)
Total Height	231±2mm (9.09 inches)
Terminal	Value
M5	5 ft lbs
M6	7 ft lbs
M8	9 ft lbs

Unit: mm

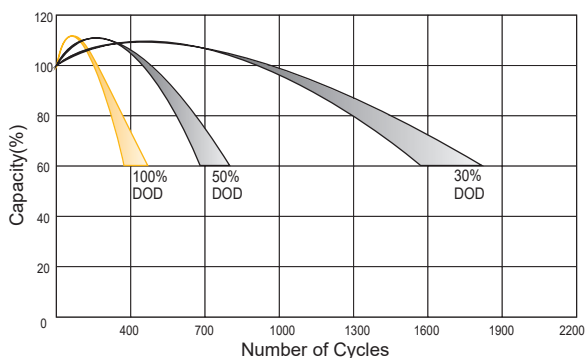
Discharge Characteristics Curve



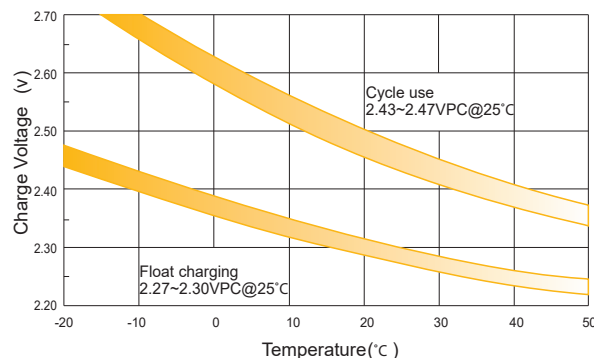
Charge Characteristic Curve for Cycle Use(IU)



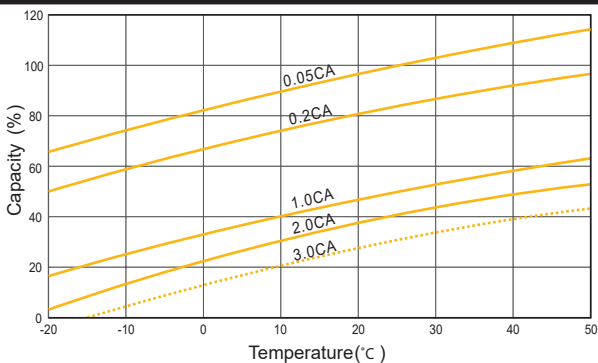
Cycle Life in Relation to Depth of Discharge



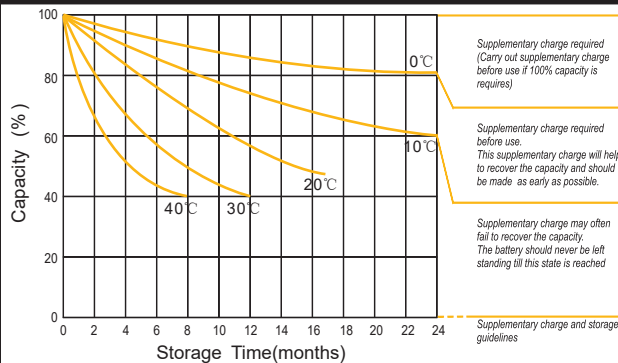
Relationship Between Charging Voltage and Temperature



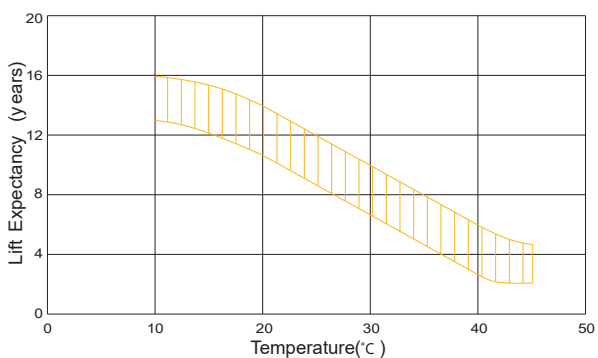
Temperature Effects on Capacity



Storage Characteristics



Effect of Temperature on Long Term Life



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

