# Pro-Guide® BATTERIES

## AGM DEEP CYCLE
# 27AGM

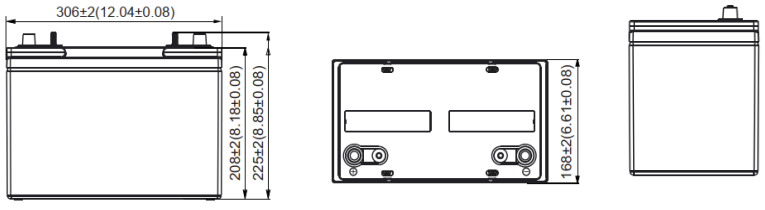


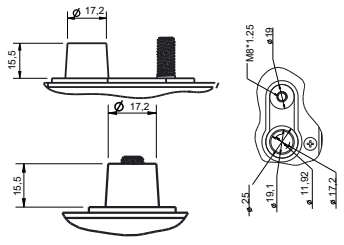

| UNIT SPECIFICATIONS | | |
|---|---|---|
| Cells Per Unit | 6 | |
| Voltage Per Unit | 12 | |
| Capacity | 100Ah@20hr-rate to 1.75V per cell @ 77˚F | |
| Weight | Appx. 66.15 lbs (Tolerance±2%) | |
| Internal Resistance | Appx. 5.0mΩ | |
| Terminal | Duel Terminal (D/T) | |
| Max. Discharge Current | 980A (5 sec) | |
| Max. Charging Current | 30 A | |
| Reference Capacity | C3 | 77 AH |
| | C5 | 82 AH |
| | C10 | 95 AH |
| | C20 | 105 AH |
| Reserve Capacity | 195 min | |
| CCA: | 735 | |
| MCA: | 890 | |
| Floating Charging Voltage | 13.6 V~13.8 V @ 77˚F<br>Temperature Compensation: -3mV/˚F/Cell | |
| Cycle Use Voltage | 14.6 V~14.8 V @ 77˚F<br>Temperature Compensation: -4mV/˚F/Cell | |
| Operating Temp Range | Discharge: -4˚F~140˚F<br>Charge: 0˚F~122˚F<br>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).

G4M20206-0910-E-16

## DIMENSIONS




| Length | 306±2mm (12.04 inches) |
|---|---|
| Width | 168±2mm (6.61 inches) |
| Height | 208±2mm (8.18inches) |
| Total Height | 225±2mm (8.05 inches) |
| Terminal | Value |
| M5 | 5 ft lbs |
| M6 | 7 ft lbs |
| M8 | 9 ft lbs |

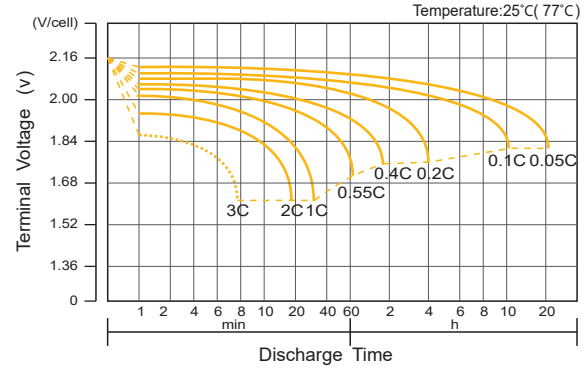
Unit: mm

**Pro-Guide®** is a registered trademark of

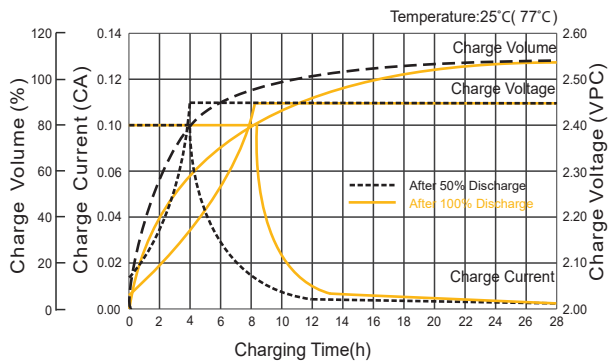
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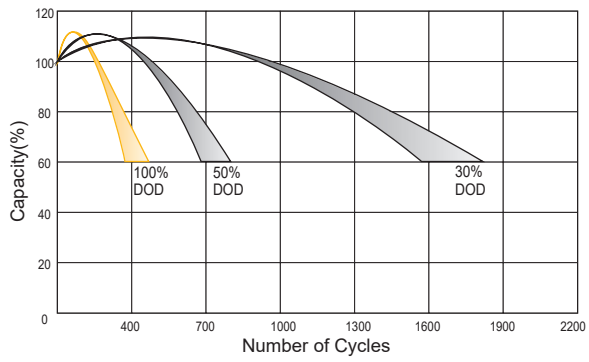
## Discharge Characteristics Curve



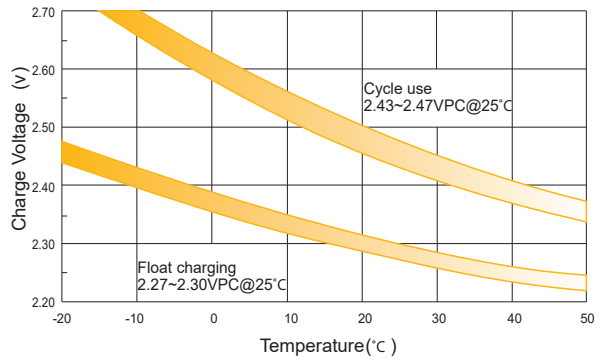

## Charge Characteristic Curve for Cycle Use(IU)



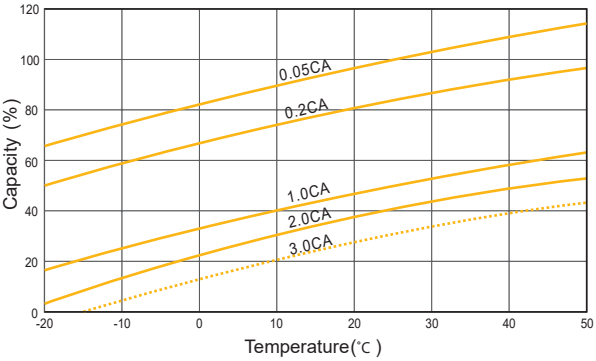

## Cycle Life in Relation to Depth of Discharge



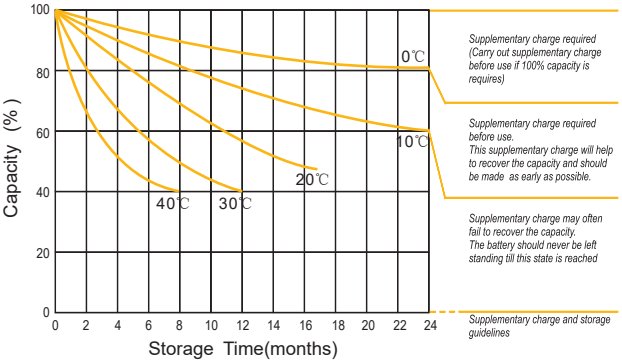

## Relationship Between Charging Voltage and Temperature



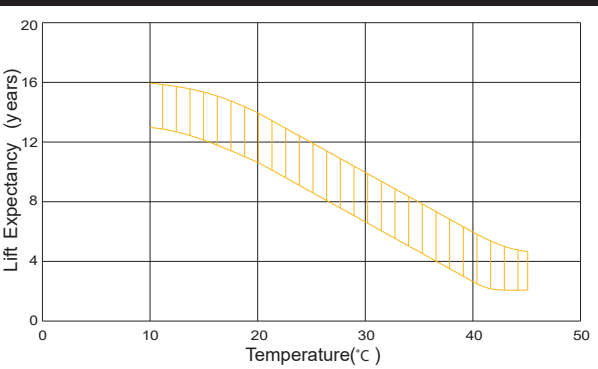

## Temperature Effects on Capacity



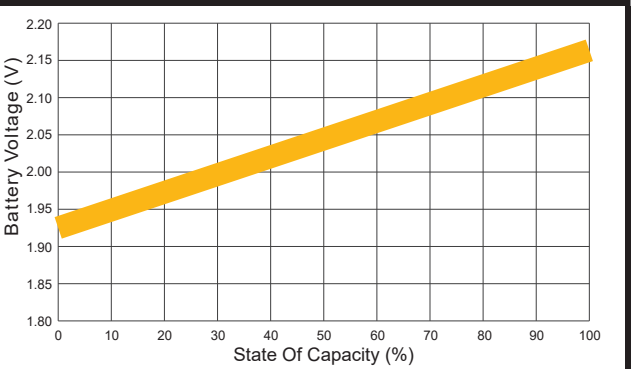

## Storage Characteristics




## 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.