

12 V 65 AH DEEP CYCLE GEL BATTERY

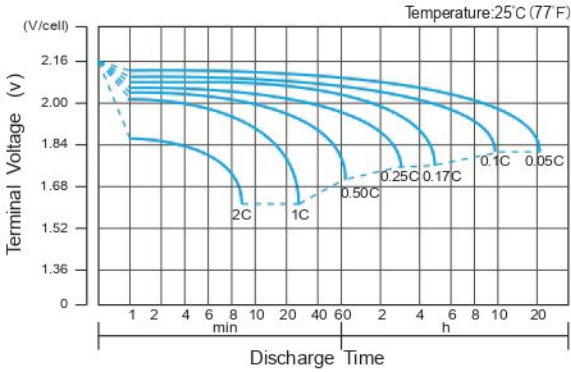
Nano Carbon Valve Regulated Lead Acid



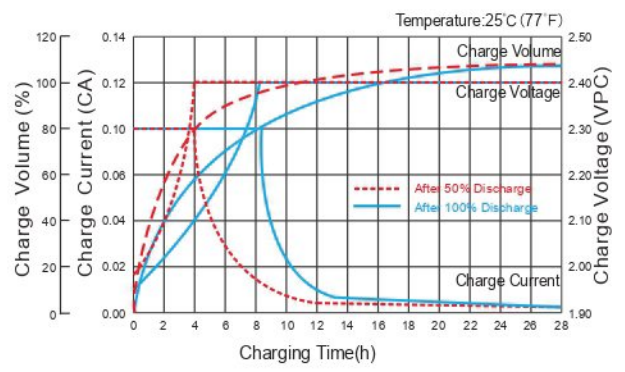
Specification

Cells Per Unit	6
Voltage Per Unit	12 V
Nominal Capacity	200Ah 20 HR rate to 1.75V per cell 25°C
Weight	Approx. 60.0 Kg (Tolerance $\pm 3.0\%$)
Internal Resistance	Approx. 4.6 m Ω
Terminal	F16 (M8)
Max. Discharge Current	2000A (5 sec)
Design Life	12 years (floating charge)
Max. Charging Current	40.0 A
Reference Capacity	C3 82.4AH C5 90.0AH C10 100.0AH C20 108.0AH
Float Charging Voltage	13.6 V ~13.8 V @25 Temperature Compensation: -3mV $^{\circ}$ /
Cycle Use Voltage	14.6 V ~14.8 V @25 Temperature Compensation: -4mV $^{\circ}$ /
Operating Temperature Range	Discharge: -40°C ~ 60°C Charge: -20°C ~ 50°C Storage: -40°C ~60°C
Normal Operating Temperature Range	25°C \pm 5°C
Self Discharge	Agromot Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 8 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 20°C. Please charge batteries before using.
Dimensions Unit: mm	350(L) X 167(W) X 182(H)
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.

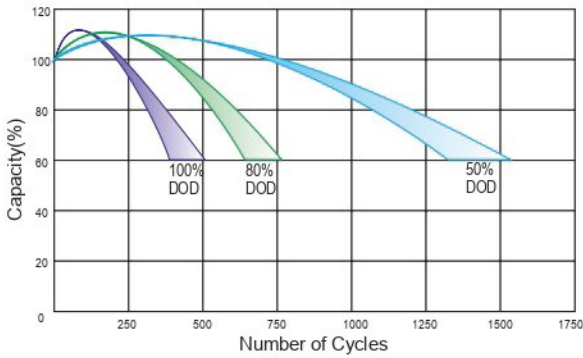
Discharge Characteristics Curve



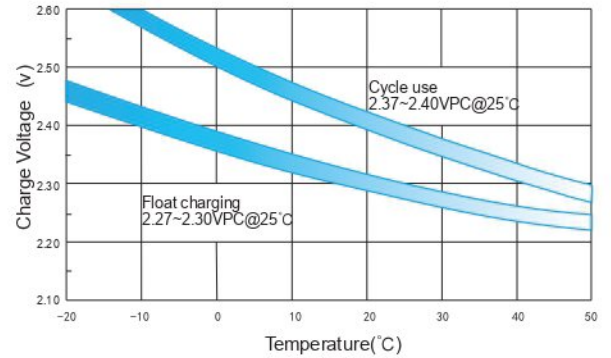
Charge Characteristic Curve for Cycle Use(IU)



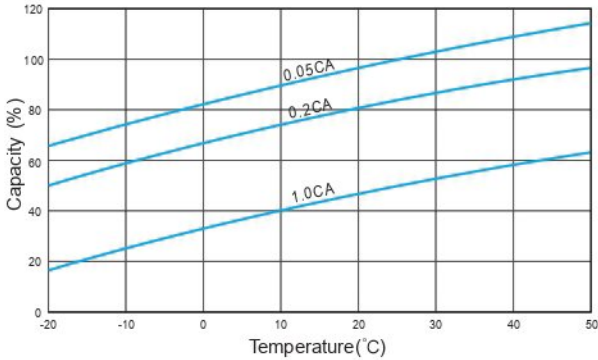
Cycle Life in Relation to Depth of Discharge



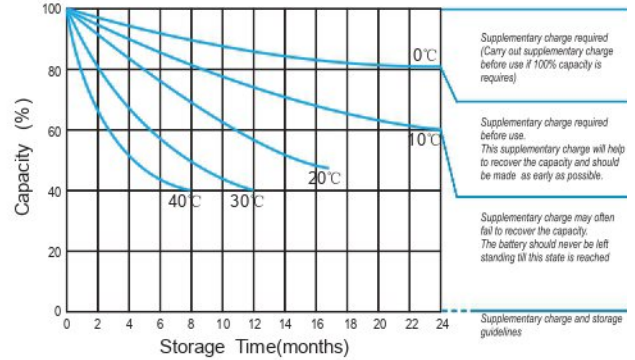
Relationship Between Charging Voltage and Temperature



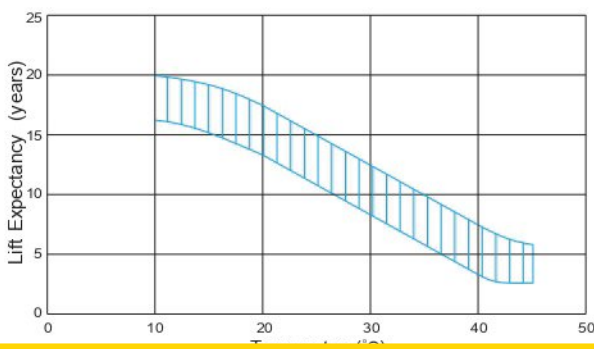
Temperature Effects on Capacity



Storage Characteristics



Effect of Temperature on Long Term Life



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

