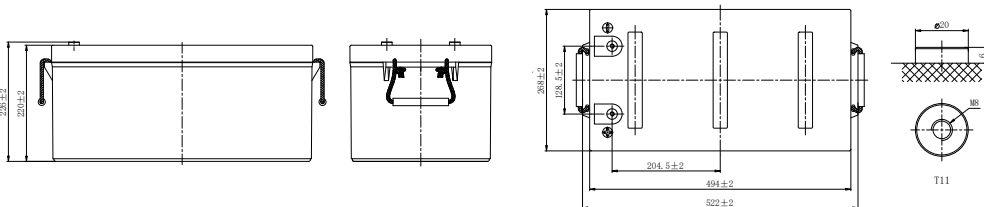


Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	250Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 73.1 Kg (Tolerance $\pm 3.0\%$)
Internal Resistance	Approx. 2.5 m Ω
Terminal	T11 (M8)
Max. Discharge Current	2500A (5 sec)
Design Life	12 years (floating charge)
Max. Charging Current	75.0 A
Reference Capacity	C3 198.9AH C5 219.0AH C10 250.0AH C20 266.0AH
Float Charging Voltage	13.5 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.4 V~15.0 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C $\pm 5^\circ\text{C}$
Self Discharge	AMP-Tech Plus (VRLA) batteries can be stored for up to 6 months at 25°C then recharging is recommended. Monthly self-discharge ratio is less than 3% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



Dimensions



Length	522±2mm (20.6 inches)
Width	268±2mm (10.6 inches)
Height	220±2mm (8.66 inches)
Total Height	226±2mm (8.90 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

Constant Current Discharge Characteristics : A(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.85V/cell	388.4	307.3	209.0	131.7	79.1	59.6	47.5	39.7	28.0	23.4	12.6
1.80V/cell	458.0	346.9	236.2	145.8	86.0	64.5	51.2	42.8	30.0	25.0	13.3
1.75V/cell	491.1	378.0	246.9	151.2	88.7	66.3	52.5	43.8	30.5	25.4	13.4
1.70V/cell	523.8	408.0	257.8	156.7	91.5	68.2	53.8	44.7	31.1	25.8	13.6
1.65V/cell	543.0	433.8	264.3	160.0	93.0	69.2	54.6	45.3	31.4	26.0	13.7
1.60V/cell	587.5	465.0	279.3	167.8	96.9	71.8	56.4	46.7	32.2	26.6	13.9

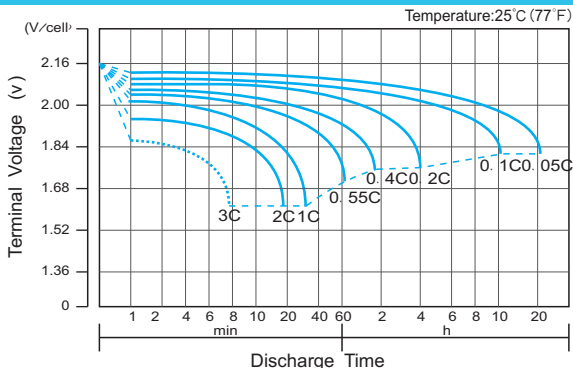
Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.85V/cell	743.5	590.4	403.9	256.1	154.5	116.9	93.4	78.2	55.4	46.4	25.0
1.80V/cell	866.2	659.4	452.8	281.5	167.3	126.0	100.3	84.0	59.2	49.4	26.3
1.75V/cell	917.5	711.3	469.2	289.8	171.5	128.8	102.4	85.6	60.1	50.1	26.6
1.70V/cell	965.7	758.9	485.4	298.4	176.0	132.0	104.6	87.3	61.1	50.8	27.0
1.65V/cell	993.3	809.1	495.1	303.2	178.3	133.6	105.8	88.2	61.6	51.2	27.1
1.60V/cell	1052.9	844.2	516.3	314.9	184.4	137.7	108.8	90.5	62.9	52.1	27.6

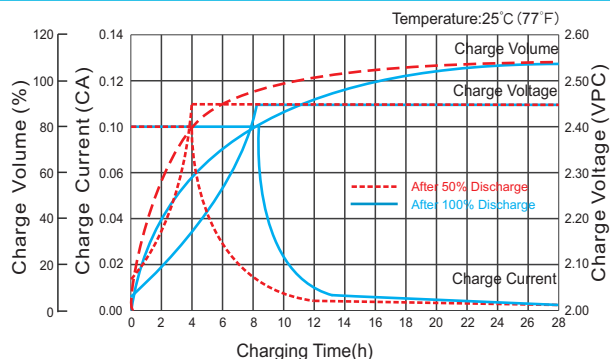
(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

The battery must be fully charged before the capacity test. The C₂₀ should reach 95% after the first cycle and 100% after the third cycle.

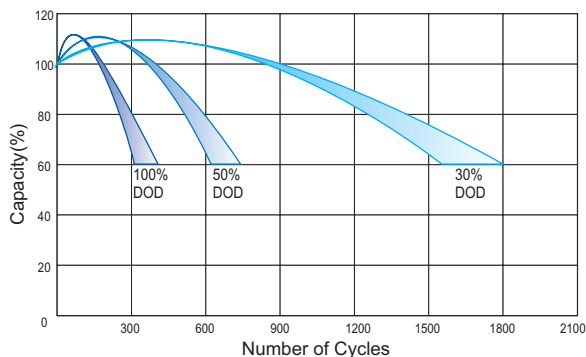
Discharge Characteristics Curve



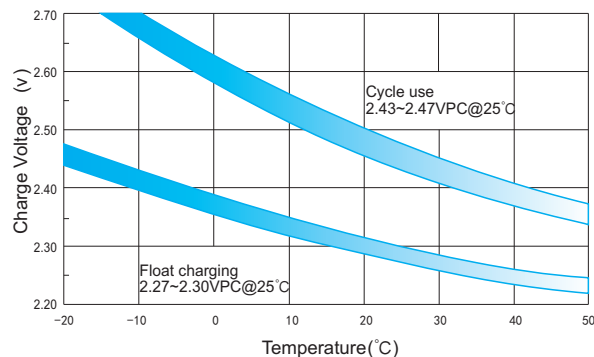
Charge Characteristic Curve for Cycle Use(IU)



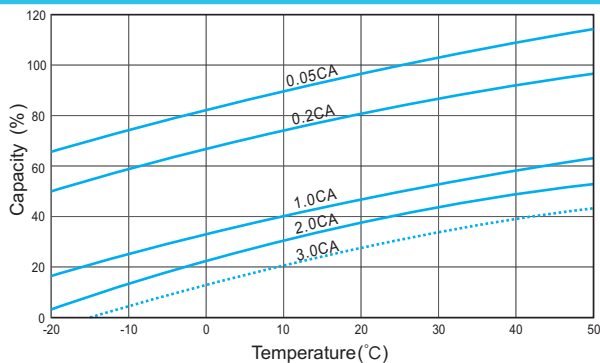
Cycle Life in Relation to Depth of Discharge



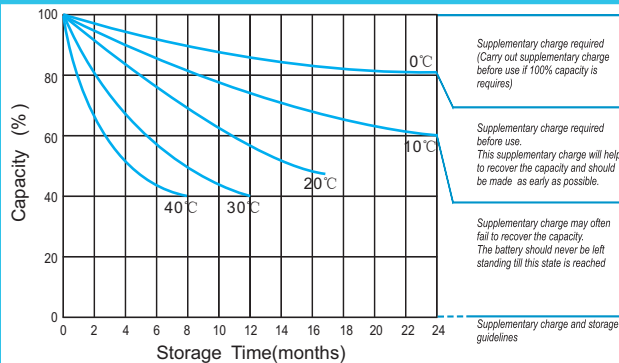
Relationship Between Charging Voltage and Temperature



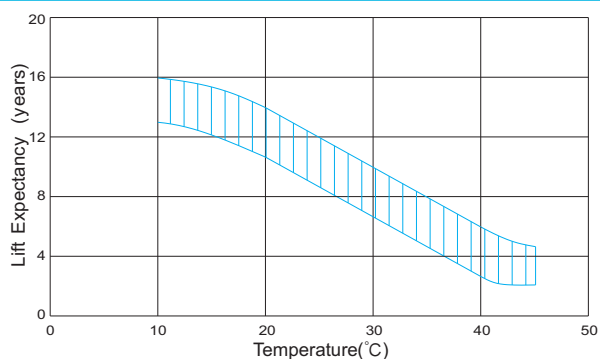
Temperature Effects on Capacity



Storage Characteristics



Effect of Temperature on Long Term Life



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

