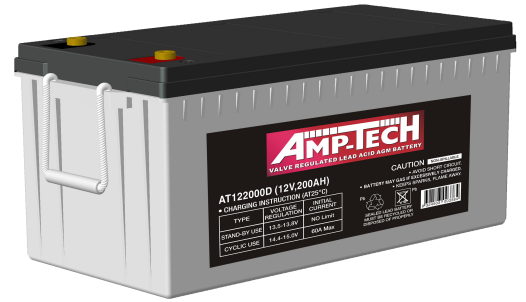
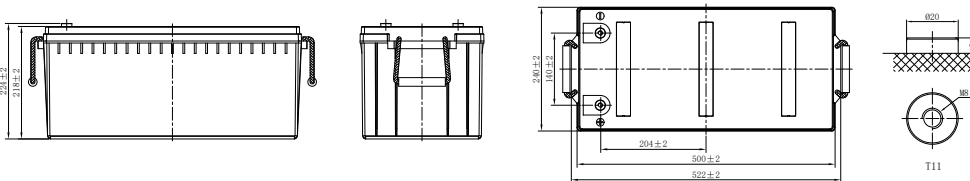


## Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	200Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 62.3 Kg (Tolerance ±3.0%)
Internal Resistance	Approx. 3.2 mΩ
Terminal	T11 (M8)
Max. Discharge Current	2000A (5 sec)
Design Life	12 years (floating charge)
Max. Charging Current	60.0 A
Reference Capacity	C3 154.2AH C5 169.5AH C10 200.0AH C20 210.0AH
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 ±5°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	240±2mm (9.45 inches)
Height	218±2mm (8.58 inches)
Total Height	224±2mm (8.82 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	281.1	243.7	157.7	101.8	63.3	46.4	36.4	31.6	21.4	19.1	10.1
1.80V/cell	319.1	276.2	171.7	105.5	65.4	50.4	38.9	33.3	22.6	20.0	10.5
1.75V/cell	346.0	299.0	175.2	110.7	68.8	51.4	39.6	33.9	22.7	20.2	10.6
1.70V/cell	368.9	317.6	178.7	112.9	70.2	52.4	40.3	34.4	23.0	20.4	10.7
1.65V/cell	380.6	326.8	181.3	114.6	71.2	52.9	40.9	35.1	23.3	20.7	10.8
1.60V/cell	393.6	337.0	183.9	116.2	72.3	53.4	41.4	35.6	23.6	20.9	11.0

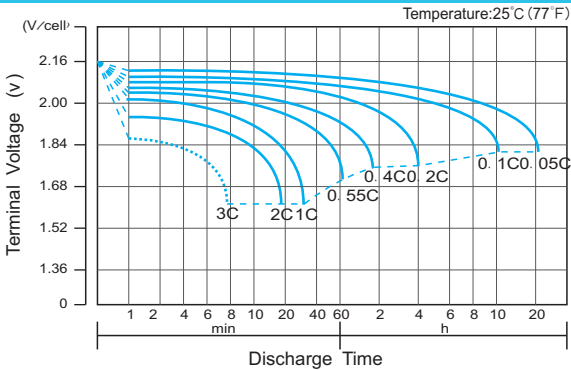
### Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.85V/cell	528.8	461.4	301.3	197.0	123.2	90.8	71.5	62.3	42.5	38.0	20.2
1.80V/cell	591.5	516.2	325.5	202.9	126.6	98.0	76.0	65.2	44.6	39.7	20.9
1.75V/cell	631.3	550.9	329.6	212.0	132.7	99.7	77.2	66.2	44.7	40.1	21.1
1.70V/cell	663.7	579.1	333.4	215.1	134.8	101.2	78.2	67.1	45.4	40.4	21.3
1.65V/cell	674.5	588.6	335.7	217.0	136.2	101.8	79.2	68.2	45.9	40.9	21.5
1.60V/cell	683.9	596.8	337.2	218.6	137.3	102.2	79.7	68.9	46.4	41.3	21.7

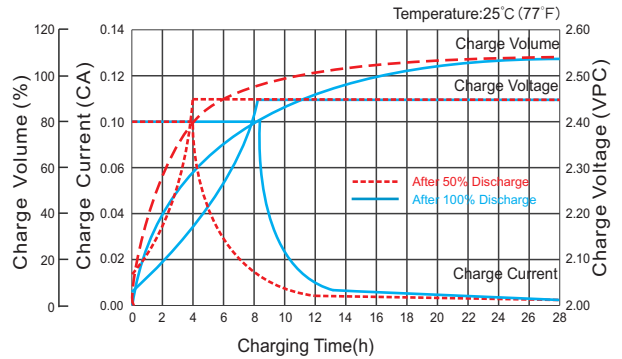
(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values. The battery must be fully charged before the capacity test. The C<sub>20</sub> should reach 95% after the first cycle and 100% after the third cycle.

VALVE REGULATED LEAD ACID AGM BATTERY

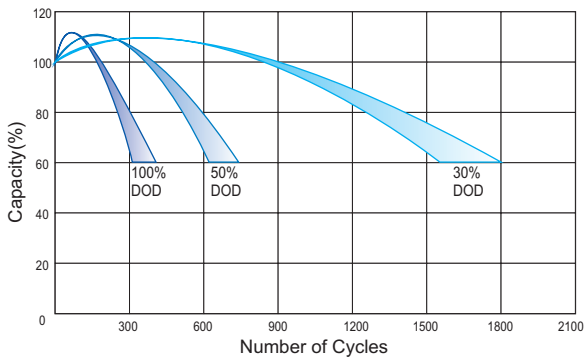
### Discharge Characteristics Curve



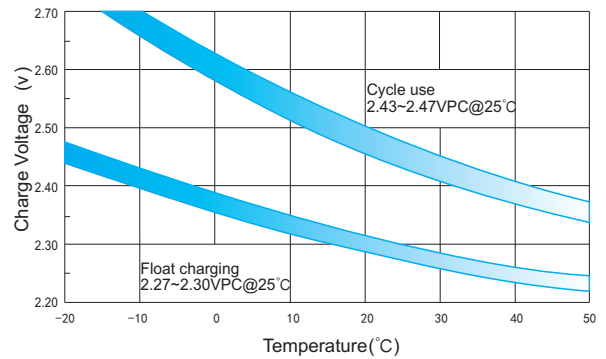
### Charge Characteristic Curve for Cycle Use (IU)



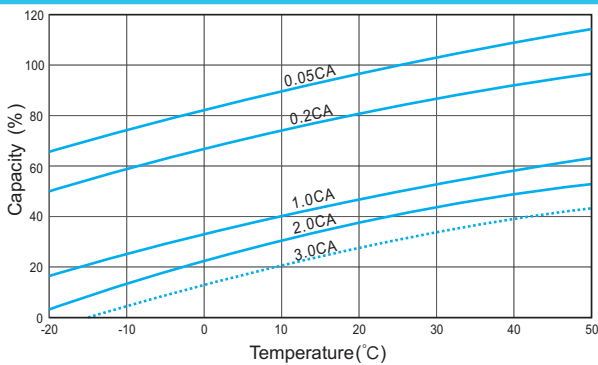
### Cycle Life in Relation to Depth of Discharge



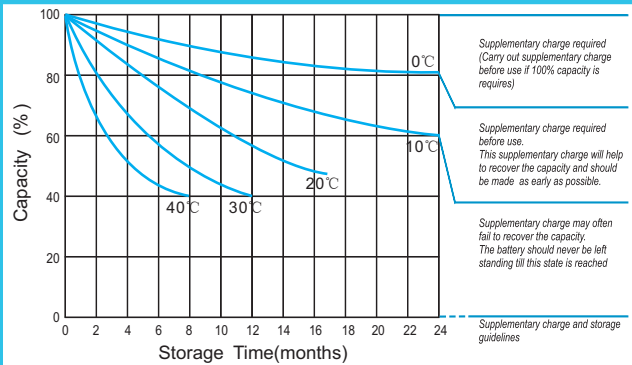
### Relationship Between Charging Voltage and Temperature



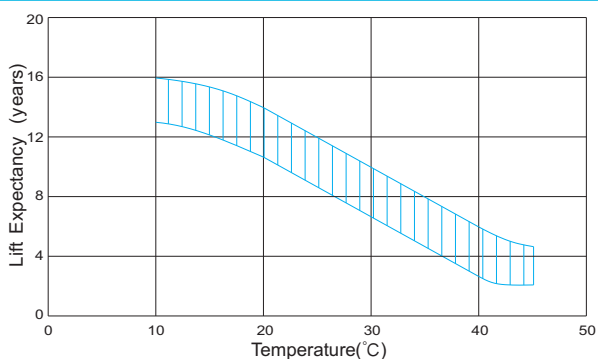
### Temperature Effects on Capacity



### Storage Characteristics



### Effect of Temperature on Long Term Life



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

