

## SSB OV 12 V 240 AH

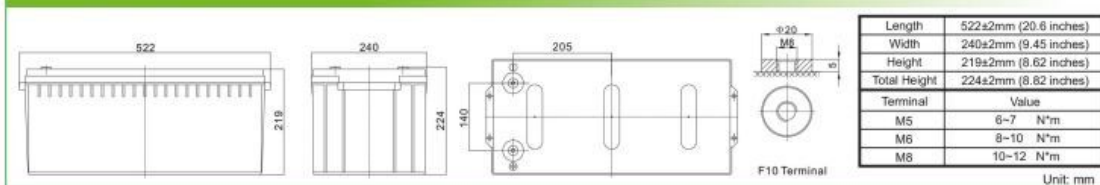
### Specification

<b>Cells Per Unit</b>	6
<b>Voltage Per Unit</b>	12
<b>Capacity</b>	240Ah@10hr-rate to 1.80V per cell @25°C
<b>Weight</b>	Approx. 65.0 Kg (Tolerance ±3.0%)
<b>Internal Resistance</b>	Approx. 2.8 mΩ
<b>Terminal</b>	F16(M8)/F10(M8)
<b>Max. Discharge Current</b>	2400A (5 sec)
<b>Cold Cranking Ampere(CCA)</b>	840A
<b>Maxi. Charging Current</b>	72.0A
<b>Reference Capacity</b>	C3 186.0AH C5 209.5AH C10 240.0AH C20 254.0AH
<b>Float Charging Voltage</b>	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
<b>Cycle Use Voltage</b>	14.6 V~14.8 V @ 25°C Temperature Compensation: -4mV/°C/Cell
<b>Operating Temperature Range</b>	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
<b>Normal Operating Temperature Range</b>	25°C ±5°C
<b>Self Discharge</b>	Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C. Please charged batteries before using.
<b>Container Material</b>	A.B.S. UL94-HB, UL94-V0 Optional.

( Electric Vehicle ) series is specially designed for frequent discharge deep cycle application. By using the specially designed active material, strong grids and thick plate construction, the EV series battery offers reliable performance in high load situations and could provide competitive cycle performance. It is suitable for Electric Vehicle and Golf cart, Floor Machines, Forklifts, Aerial lifts, Robotics, Marine, RV, Mobility and Medical Equipment, and most outdoor application.



### Dimensions



#### Constant Current Discharge Characteristics : A(25°C)

F. V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	435.4	265.4	148.1	87.5	67.8	53.3	45.3	30.5	25.3	13.2
1.65V	416.3	254.8	143.0	84.7	65.7	51.8	44.1	30.1	25.0	13.0
1.70V	389.9	243.5	138.4	81.9	63.9	50.4	43.0	29.7	24.6	12.9
1.75V	362.8	232.8	133.3	79.0	62.0	49.1	41.9	29.2	24.3	12.7
1.80V	335.0	222.5	128.2	76.2	60.1	47.7	40.8	28.7	24.0	12.6
1.85V	278.0	191.6	115.0	69.8	55.5	44.3	38.1	27.0	22.6	12.0

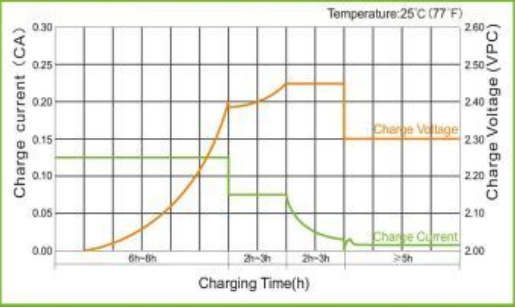
#### Constant Power Discharge Characteristics : WPC(25°C)

F. V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	761.2	482.0	278.3	165.7	129.4	102.2	87.4	59.5	49.8	26.1
1.65V	738.5	467.6	270.3	161.2	126.0	99.8	85.4	58.9	49.2	25.7
1.70V	702.0	451.5	263.2	156.8	123.1	97.5	83.5	58.2	48.6	25.4
1.75V	662.8	435.9	255.1	152.0	119.9	95.4	81.7	57.5	48.0	25.1
1.80V	620.6	420.9	246.7	147.3	116.7	93.0	79.8	56.6	47.4	24.9
1.85V	522.3	366.1	222.7	135.7	108.3	86.7	74.7	53.3	44.7	23.7

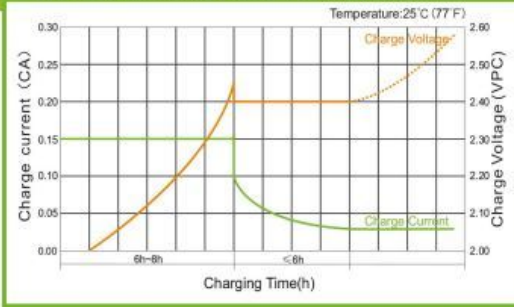
(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values. The battery must be fully charged before the capacity test. The C<sub>10</sub> should reach 95% after the first cycle and 100% after the third cycle.

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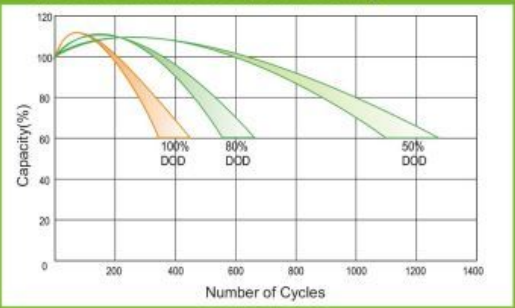
Charge Characteristic Curve for Cycle Use(IUU)



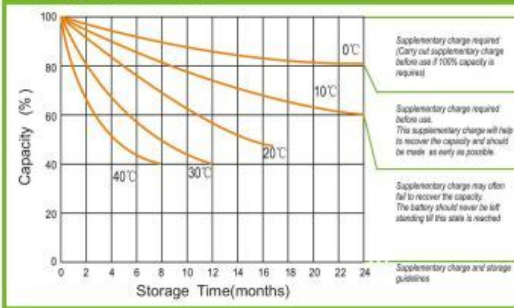
Charge Characteristic Curve For Cycle Use(IUI)



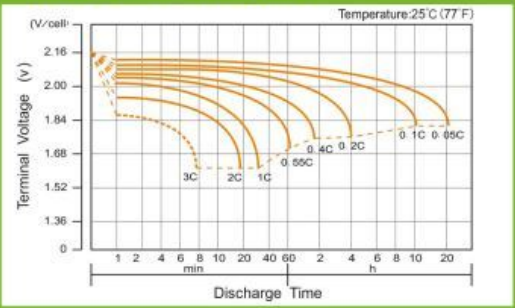
Cycle Life in Relation to Depth of Discharge



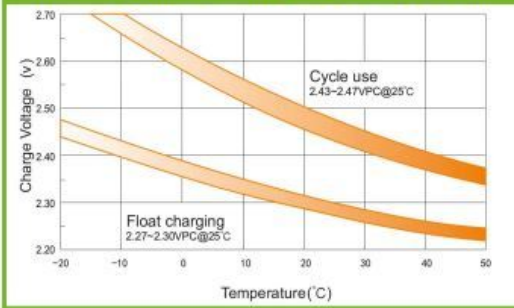
Storage Characteristics



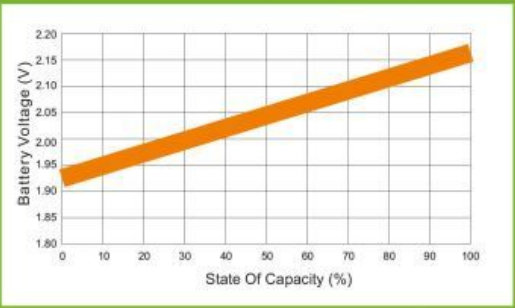
Discharge Characteristics Curve



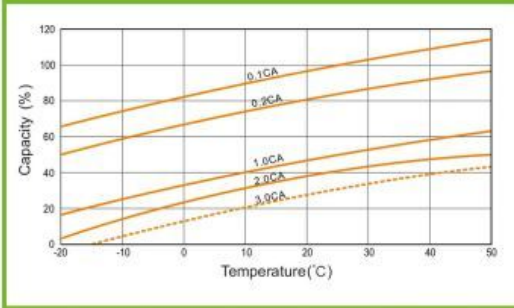
Relationship Between Charging Voltage and Temperature



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



Temperature Effects on Capacity



(Note) All above information shall be changed without prior notice, Ritar reserves the right to explain and update the latest information.