



RA6-200S(6V200Ah)

Specification

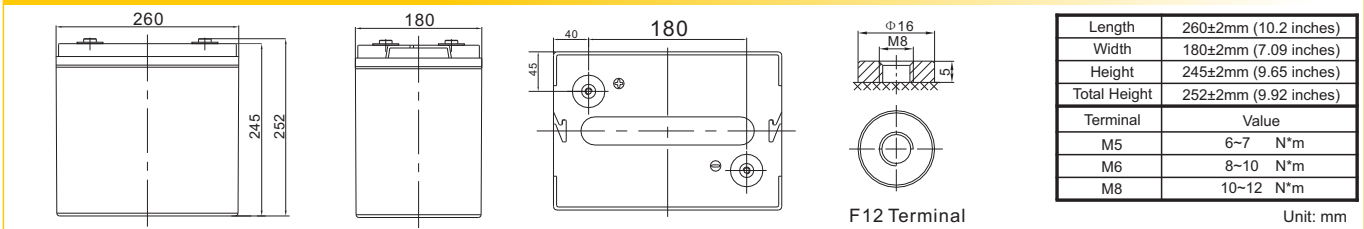
Cells Per Unit	3
Voltage Per Unit	6
Nominal Capacity	200Ah@10hour-rate to 1.80V per cell @25°C
Weight	Approx. 26.5 Kg (Tolerance ±3.0%)
Internal Resistance	Approx. 2.0 mΩ
Terminal	F12(M8)
Max. Discharge Current	2000A (5 sec)
Short Circuit Current	3850A
Design Life	12 years (Float charging)
Max. Charging Current	60.0 A
Reference Capacity	C3 154.8AH C5 174.5AH C10 200.0AH C20 212.0AH
Standby Use Voltage	6.80 V~6.90 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	7.30 V~7.40 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	RITAR 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 charge batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



RA series is a general purpose battery with 12 years design life in float service. It meets with IEC, JIS, BS, GB/T and YD/T standards. With advanced AGM valve regulated technology and high purity raw material, the RA series battery maintains high consistency for better performance and reliable standby service life. It is suitable for UPS/EPS, Telecom, power grid, medical equipment, emergency light and security system applications.



Dimensions



Constant Current Discharge Characteristics : A (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	443.7	355.8	219.0	122.2	72.8	56.4	44.3	37.7	25.4	21.1	11.0
1.65V	419.3	340.2	210.2	118.0	70.5	54.7	43.1	36.8	25.1	20.8	10.9
1.70V	386.0	318.6	201.0	114.2	68.2	53.2	42.0	35.8	24.7	20.5	10.7
1.75V	353.3	296.5	192.1	110.0	65.8	51.6	40.9	34.9	24.3	20.3	10.6
1.80V	319.8	273.8	183.6	105.8	63.4	50.0	39.7	34.0	23.9	20.0	10.5
1.85V	261.4	227.2	158.1	94.9	58.1	46.2	36.9	31.7	22.5	18.8	10.0

Constant Power Discharge Characteristics : WPC (25°C)

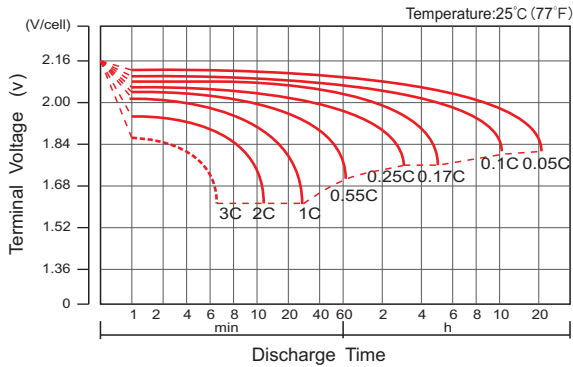
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	754	622	398	230	138	108	85.1	72.7	49.5	41.5	21.7
1.65V	726	603	386	223	134	105	83.1	71.1	49.1	41.0	21.4
1.70V	681	574	373	217	131	102	81.2	69.5	48.4	40.5	21.2
1.75V	635	542	360	210	127	100	79.4	68.0	47.8	40.0	21.0
1.80V	585	507	347	204	123	97.1	77.4	66.5	47.1	39.5	20.8
1.85V	486	427	302	184	113	90.2	72.2	62.2	44.4	37.3	19.7

(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 C₁₀ should reach 95% after the first cycle and 100% after the third cycle.

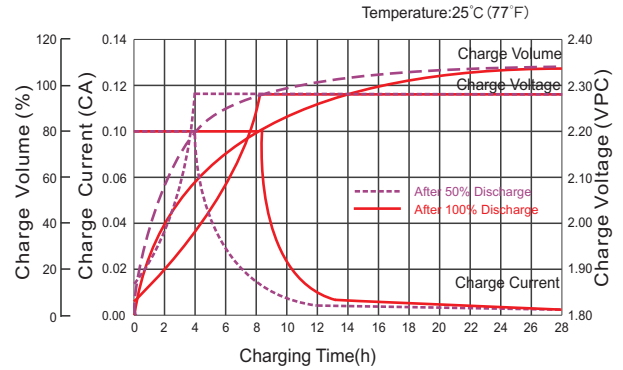
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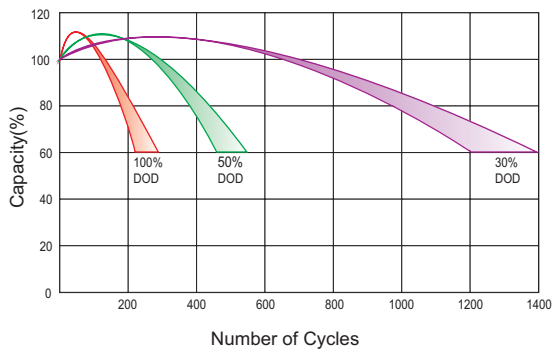
Discharge Characteristics Curve



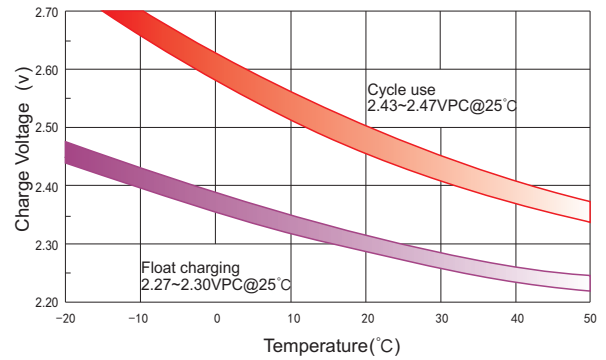
Charge Characteristic Curve For Standby Use



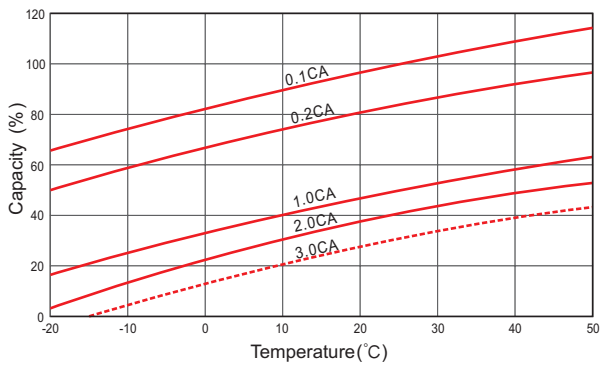
Cycle Life In Relation To Depth Of Discharge



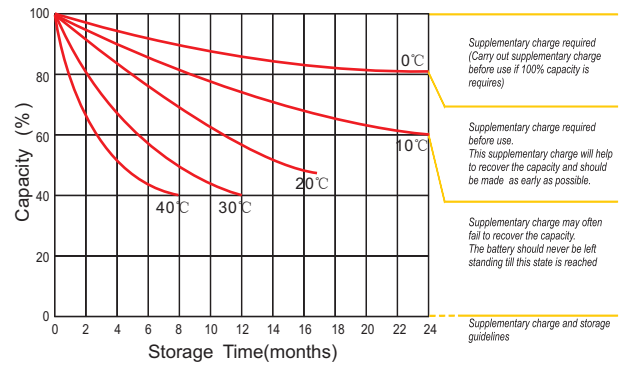
Relationship Between Charging Voltage And Temperature



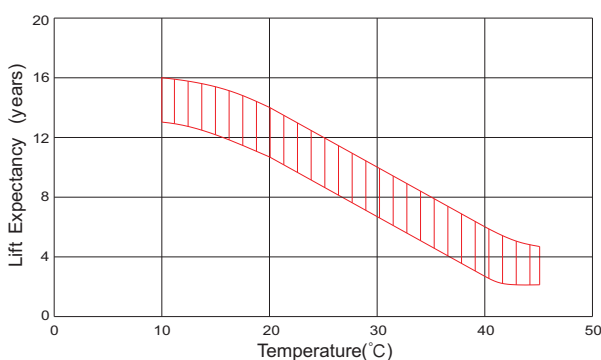
Temperature Effects On Capacity



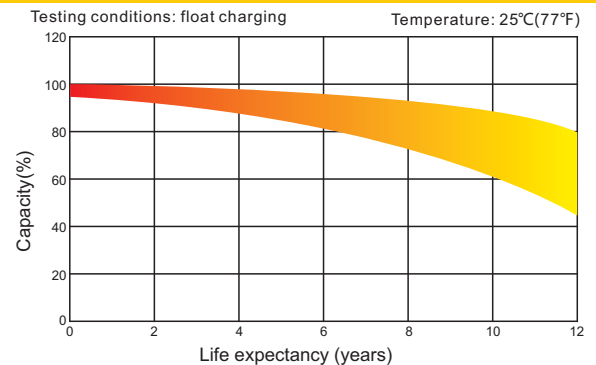
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



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