RA12-225(12V225Ah)

Specification

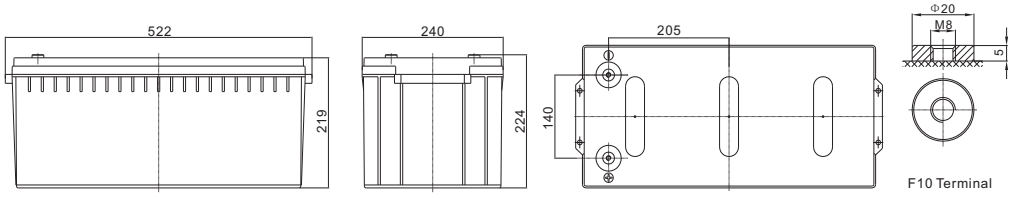
Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	225Ah@10hour-rate to 1.80V per cell @25℃
Weight	Approx. 65.0 Kg (Tolerance±1.5%)
Internal Resistance	Approx. 3.7 mΩ
Terminal	F16(M8)/F10(M8)
Max. Discharge Current	2250A (5 sec)
Short Circuit Current	3980A
Design Life	12 years (Float charging)
Recommended Maximum Charging Current	67.5 A
Reference Capacity	C3 174.6AH C5 210.0AH C10 225.0AH C20 238.0AH
Standby Use Voltage	13.6 V~13.8 V @ 25℃ Temperature Compensation: -3mV/℃/Cell
Cycle Use Voltage	14.6 V~14.8 V @ 25℃ Temperature Compensation: -4mV/℃/Cell
Operating Temperature Range	Discharge: -20℃~60℃ Charge: 0℃~50℃ Storage: -20℃~60℃
Normal Operating Temperature Range	25℃±5℃
Self Discharge	RITAR Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25℃ and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25℃.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 and YDT 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.

IQNet CERTIFICATE IQNet CERTIFICATE

MH28539 G4M20206-0910-E-16

Dimensions



Length	522±2mm (20.6 inches)
Width	240±2mm (9.45 inches)
Height	219±2mm (8.62 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℃)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	391.4	236.1	138.5	83.0	61.6	50.0	42.2	28.2	24.0	12.3
1.65V	381.2	230.9	136.0	81.8	60.7	49.4	41.7	27.9	23.8	12.2
1.70V	367.7	224.0	132.6	80.2	59.6	48.6	41.1	27.5	23.5	12.1
1.75V	350.1	215.1	128.1	78.0	58.2	47.5	40.2	27.0	23.0	11.9
1.80V	327.6	203.4	122.3	75.2	56.3	46.0	39.1	26.4	22.5	11.7
1.85V	299.0	188.6	114.7	71.6	53.8	44.1	37.6	25.5	21.8	11.4

Constant Power Discharge Characteristics : WPC (25℃)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	695	435	263	160	119	97.4	82.6	55.9	47.9	24.6
1.65V	691	432	261	158	118	96.7	82.0	55.5	47.5	24.4
1.70V	672	422	255	156	117	95.3	80.9	54.8	46.9	24.2
1.75V	649	409	248	152	114	93.5	79.5	53.9	46.2	23.9
1.80V	616	391	238	148	111	91.0	77.5	52.7	45.1	23.4
1.85V	570	366	225	141	107	87.6	74.8	51.1	43.8	22.8

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

RA12-225(12V225Ah)

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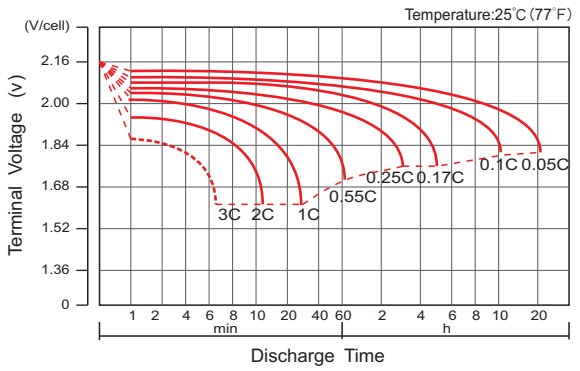
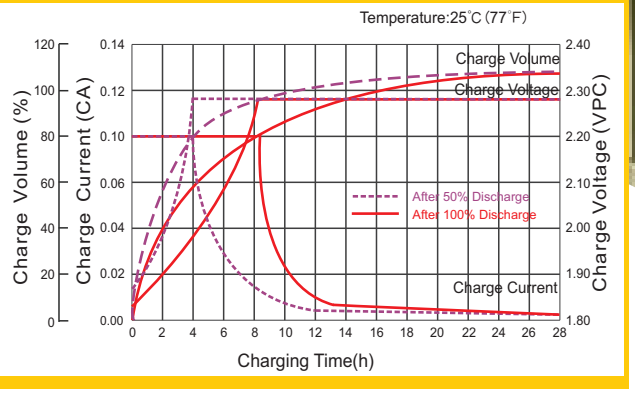
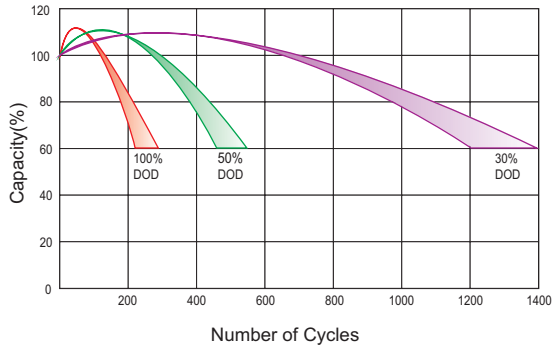
Discharge Characteristics Curve



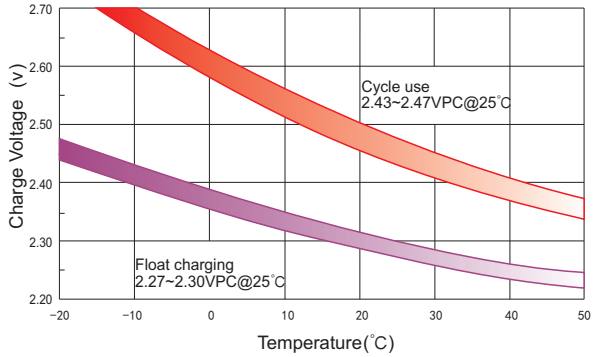
Charge Characteristic Curve For Standby Use



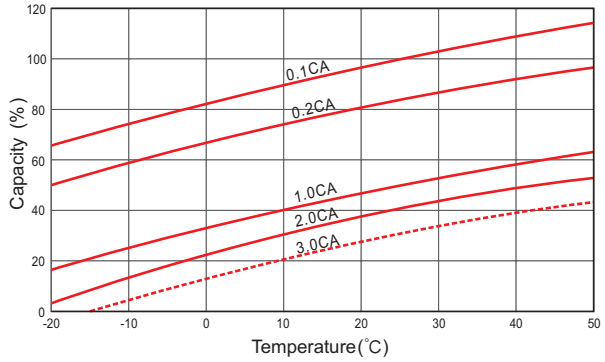
Cycle Life In Relation To Depth Of Discharge



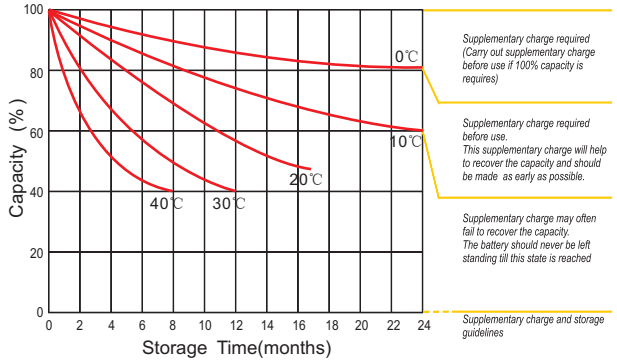
Relationship Between Charging Voltage And Temperature



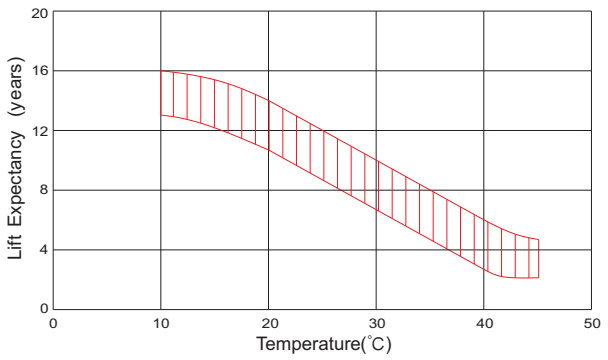
Temperature Effects On Capacity



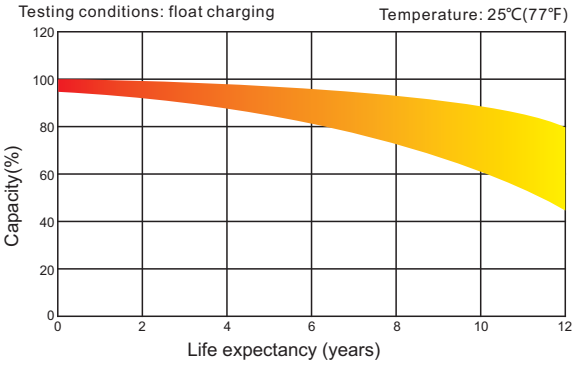
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



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