RITAR®

RT632(6V3.2Ah)

Specification

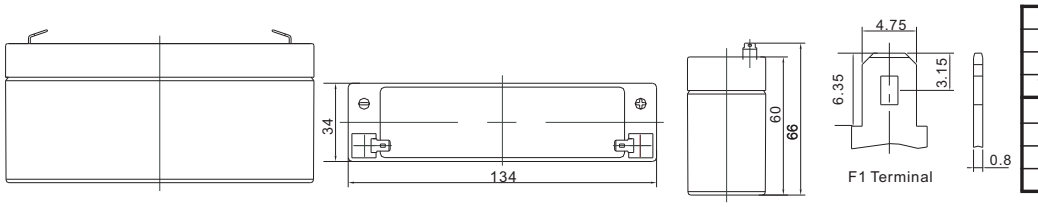
Cells Per Unit	3
Voltage Per Unit	6
Nominal Capacity	3.2Ah@20hour-rate to 1.75V per cell @25˚C
Weight	Approx. 0.65 Kg (Tolerance±5.0%)
Internal Resistance	Approx. 25 mΩ
Terminal	F1
Max. Discharge Current	32A (5 sec)
Short Circuit Current	166A
Design Life	6~8 years (Float charging)
Recommended Maximum Charging Current	0.96 A
Reference Capacity	C3 2.48AH C5 2.81AH C10 3.01AH C20 3.22AH
Standby Use Voltage	6.85 V~6.95 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.

RT series is a general purpose battery with 6~8 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 RT 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	134±1.5mm (5.28 inches)
Width	34±1.5mm (1.34 inches)
Height	60±1.5mm (2.36 inches)
Total Height	66±1.5mm (2.60 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	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	12.69	8.274	6.104	3.533	2.041	1.204	0.875	0.697	0.589	0.393	0.320	0.167
1.65V	12.23	8.028	5.944	3.455	2.003	1.187	0.864	0.688	0.582	0.389	0.317	0.165
1.70V	11.63	7.704	5.734	3.352	1.953	1.163	0.848	0.677	0.573	0.384	0.313	0.164
1.75V	10.87	7.286	5.460	3.218	1.887	1.132	0.828	0.662	0.561	0.377	0.308	0.161
1.80V	9.901	6.751	5.108	3.044	1.801	1.091	0.801	0.641	0.545	0.368	0.301	0.158
1.85V	8.713	6.082	4.663	2.822	1.691	1.038	0.765	0.615	0.524	0.355	0.291	0.154

Constant Power Discharge Characteristics : WPC (25˚C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	21.84	14.28	10.83	6.51	3.87	2.32	1.70	1.36	1.15	0.78	0.64	0.33
1.65V	21.61	14.22	10.77	6.46	3.84	2.30	1.68	1.35	1.14	0.77	0.63	0.33
1.70V	20.78	13.80	10.48	6.31	3.76	2.26	1.66	1.33	1.13	0.76	0.63	0.33
1.75V	19.76	13.28	10.12	6.12	3.65	2.21	1.63	1.30	1.11	0.75	0.62	0.32
1.80V	18.32	12.52	9.61	5.85	3.50	2.14	1.58	1.27	1.08	0.74	0.60	0.32
1.85V	16.41	11.48	8.89	5.47	3.31	2.05	1.52	1.22	1.04	0.71	0.58	0.31

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

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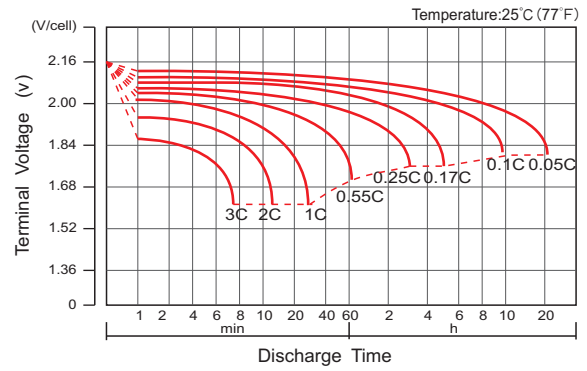
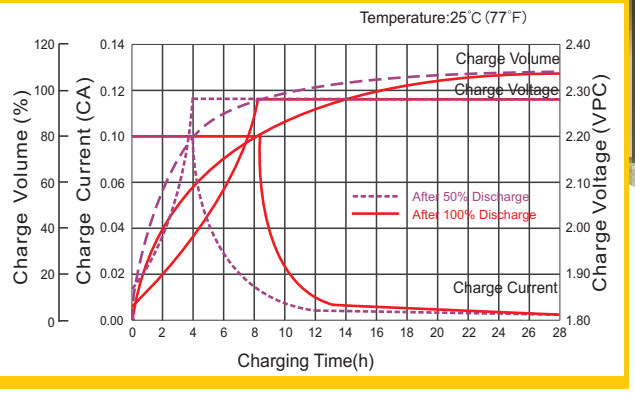
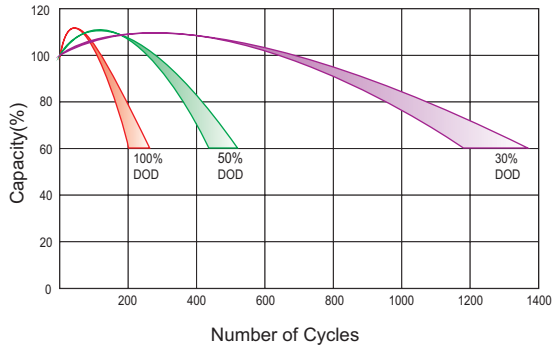
Discharge Characteristics Curve



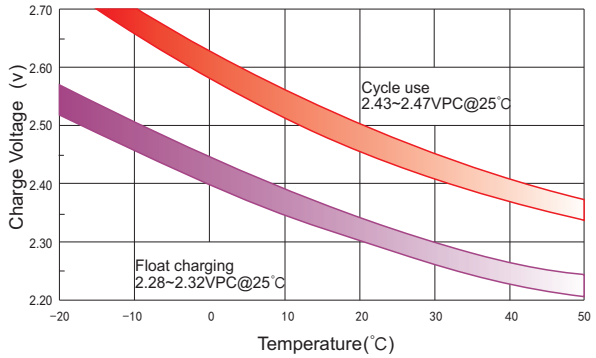
Charge Characteristic Curve For Standby Use



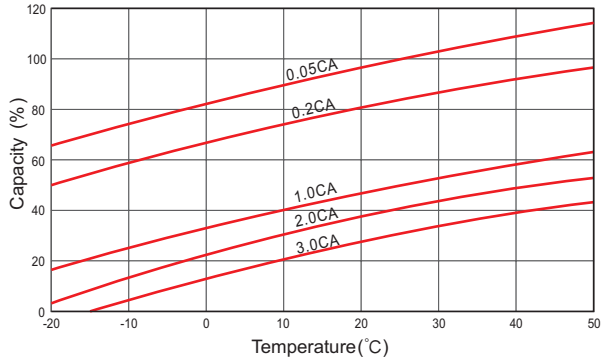
Cycle Life In Relation To Depth Of Discharge



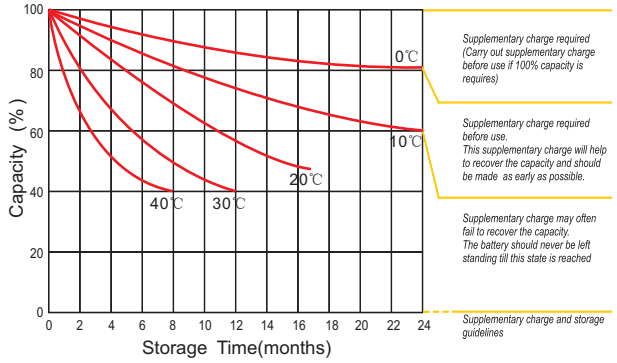
Relationship Between Charging Voltage And Temperature



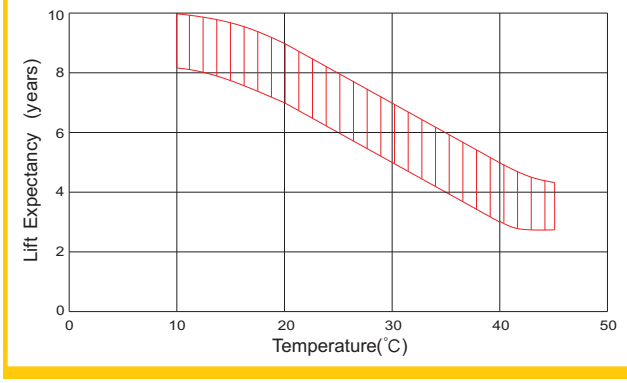
Temperature Effects On Capacity



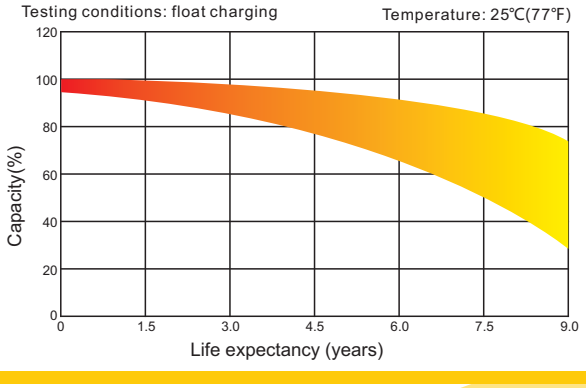
Storage Characteristics



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.

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