

DC12-225(12V225Ah)



Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	225Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 65.0 Kg (Tolerance ± 1.5%)
Internal Resistance	Approx. 3.7 mΩ
Terminal	F10(M8)/F16(M8)
Max. Discharge Current	2250A (5 sec)
Design Life	12 years (floating charge)
Maximum Charging Current	67.5 A
Reference Capacity	C3 165.6AH C5 188.0AH C10 214.0AH C20 225.0AH
Float Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.6 V~14.8 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 charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharge. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offer 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment, V, telecom, broadband and cable TV, UPS systems etc.



ISO 9001



ISO 14001



OHSAS 18001

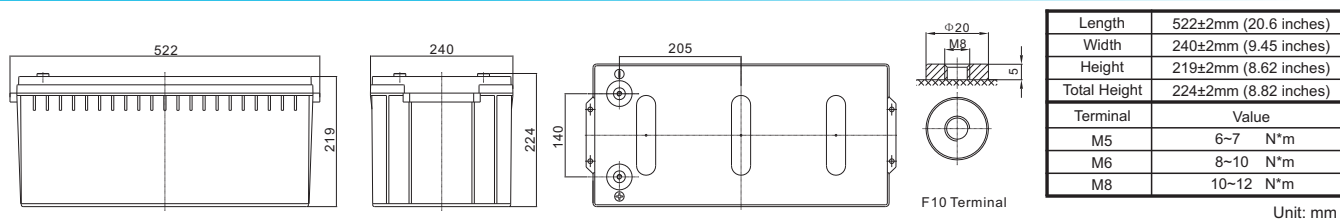


MH 28539



G4M20206-0910-E-16

Dimensions



Constant Current Discharge Characteristics : A(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	446.3	351.7	203.9	128.0	79.1	58.9	47.1	39.7	27.1	22.9	11.7
1.65V	431.4	341.2	199.6	125.6	77.7	58.0	46.4	39.2	26.8	22.7	11.6
1.70V	412.0	327.4	194.0	122.4	75.9	56.8	45.6	38.5	26.4	22.4	11.4
1.75V	386.0	308.8	186.3	118.0	73.5	55.2	44.4	37.6	25.8	22.0	11.2
1.80V	351.3	283.8	175.7	112.0	70.1	52.9	42.7	36.4	25.0	21.4	11.0
1.85V	303.9	249.3	160.8	103.4	65.3	49.6	40.3	34.5	23.9	20.5	10.6

Constant Power Discharge Characteristics : WPC(25°C)

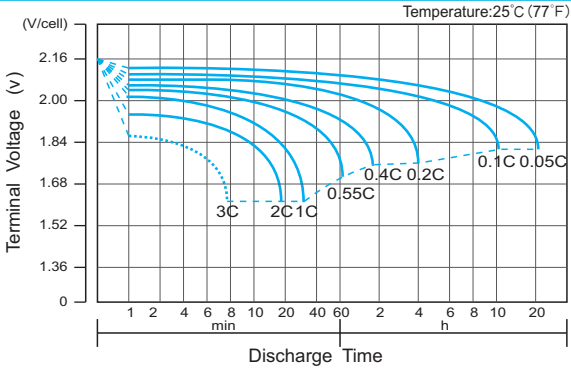
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	798	647	390	252	158	118	95.1	80.5	55.7	47.5	24.2
1.65V	792	641	387	250	156	117	94.3	79.9	55.2	47.1	24.1
1.70V	765	621	379	244	153	115	92.8	78.7	54.5	46.5	23.8
1.75V	730	594	367	237	149	112	90.7	77.2	53.4	45.7	23.4
1.80V	676	553	350	226	143	108	87.6	74.8	51.9	44.5	22.9
1.85V	595	493	323	210	134	102	83.1	71.3	49.7	42.7	22.1

(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 Cycle Use(IU)



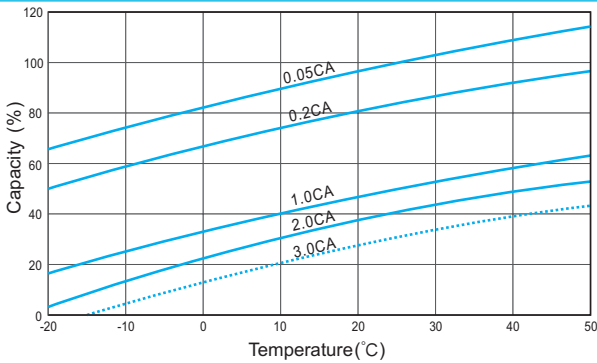
Cycle Life in Relation to Depth of Discharge



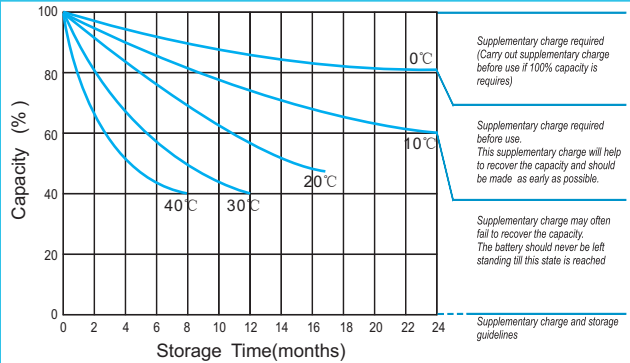
Relationship Between Charging Voltage and Temperature



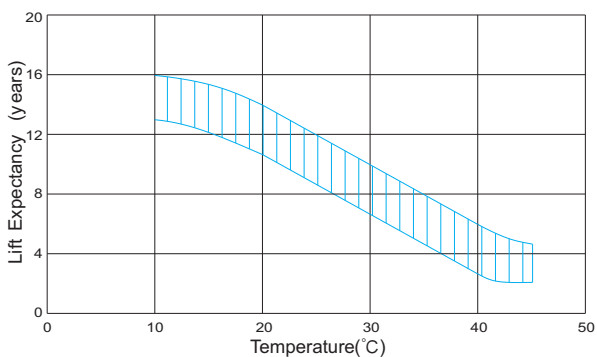
Temperature Effects on Capacity



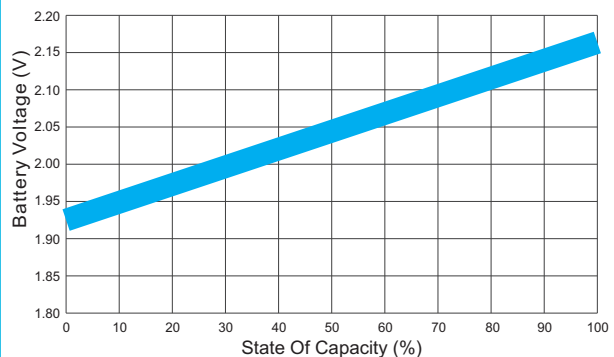
Storage Characteristics



Effect of Temperature on Long Term Life



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



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