

DC12-26(12V26Ah)



Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	26Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 8.1 Kg (Tolerance ±3%)
Internal Resistance	Approx. 11.5 mΩ
Terminal	F13(M5)/F3(M5)/F24(M5)
Max. Discharge Current	260A (5 sec)
Design Life	8 years (floating charge)
Maximum Charging Current	7.8 A
Reference Capacity	C3 20.3AH C5 22.9AH C10 24.7AH C20 26.0AH
Float Charging Voltage	13.7 V~13.9 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

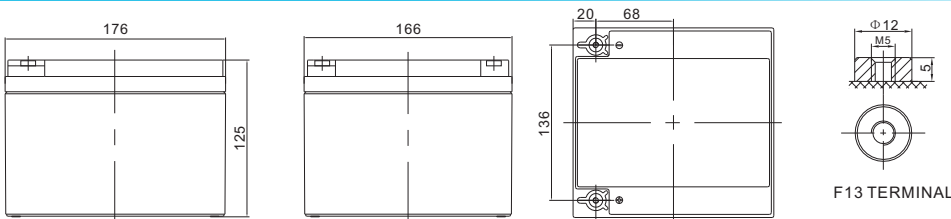


MH 28539



G4M20206-0910-E-16

Dimensions



Length	166±1.5mm (6.54 inches)
Width	176±1.5mm (6.93 inches)
Height	125±1.5mm (4.92 inches)
Total Height	125±1.5mm (4.92 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	102.7	67.35	50.16	28.99	17.02	9.71	7.23	5.76	4.83	3.18	2.65	1.352
1.65V	98.92	65.11	48.66	28.38	16.69	9.54	7.12	5.68	4.77	3.15	2.62	1.340
1.70V	93.98	62.18	46.69	27.58	16.27	9.32	6.97	5.57	4.69	3.10	2.58	1.323
1.75V	87.40	58.26	44.04	26.48	15.69	9.02	6.77	5.43	4.58	3.03	2.53	1.301
1.80V	78.66	53.02	40.47	24.98	14.89	8.61	6.49	5.22	4.43	2.94	2.47	1.269
1.85V	66.86	45.86	35.56	22.86	13.75	8.02	6.09	4.93	4.20	2.81	2.37	1.223

Constant Power Discharge Characteristics : WPC(25°C)

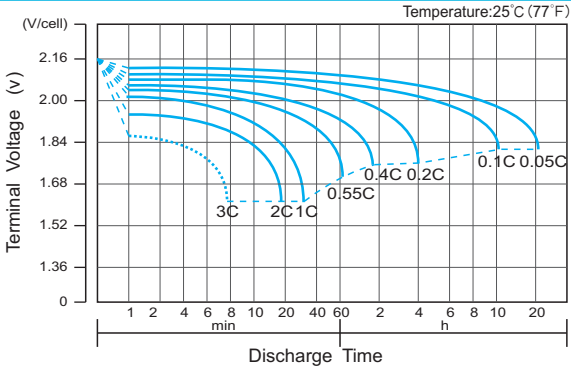
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	174	114	87.7	52.7	31.8	18.4	13.8	11.1	9.31	6.22	5.20	2.66
1.65V	172	114	86.9	52.3	31.5	18.2	13.7	11.0	9.24	6.17	5.16	2.64
1.70V	165	110	84.1	51.1	30.8	17.9	13.4	10.8	9.10	6.08	5.09	2.61
1.75V	157	105	80.5	49.6	29.9	17.4	13.1	10.5	8.92	5.96	5.00	2.57
1.80V	143	96.9	75.0	47.3	28.5	16.6	12.6	10.2	8.65	5.80	4.87	2.51
1.85V	124	85.3	66.8	43.7	26.5	15.6	11.9	9.65	8.24	5.55	4.68	2.42

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

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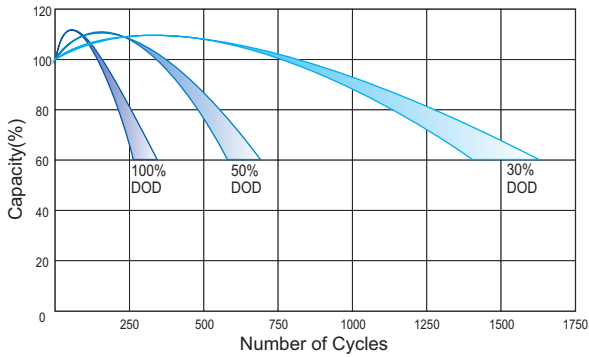
Discharge Characteristics Curve



Charge Characteristic Curve for Cycle Use(IU)



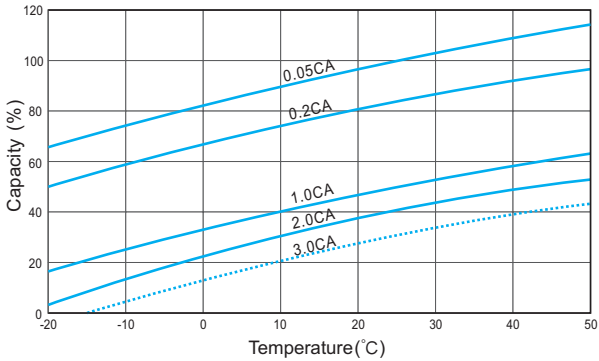
Cycle Life in Relation to Depth of Discharge



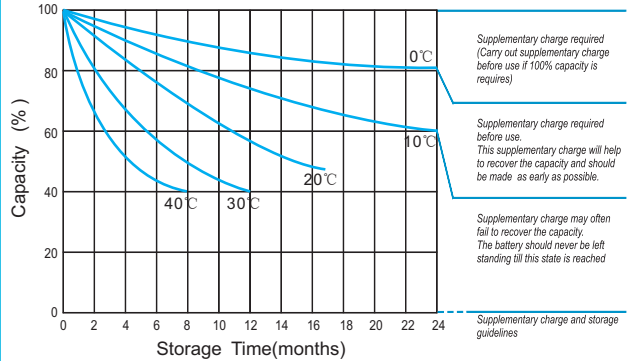
Relationship Between Charging Voltage and Temperature



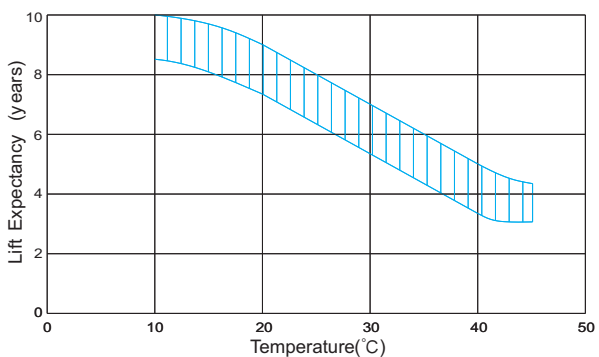
Temperature Effects on Capacity



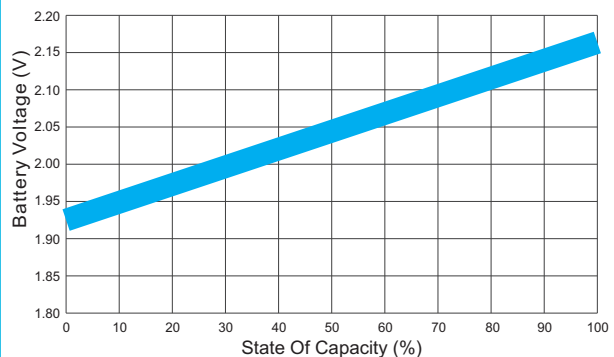
Storage Characteristics



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.