

DC12-26S(12V26Ah)



Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	26Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 8.3 Kg (Tolerance ±3%)
Internal Resistance	Approx. 11.5 mΩ
Terminal	F7(M8)/F11 (M6)
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

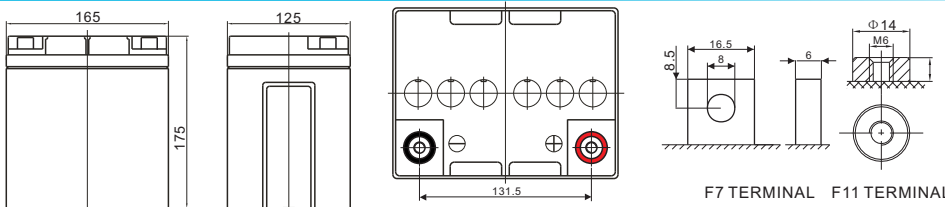


MH 28539



G4M20206-0910-E-16

Dimensions



Length	165±1.5mm (6.50 inches)
Width	125±1.5mm (4.92 inches)
Height	174±1.5mm (6.85 inches)
Total Height	174±1.5mm (6.85 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	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	66.00	49.66	28.70	17.02	9.71	7.23	5.76	4.83	3.18	2.65	1.352
1.65V	63.80	48.17	28.10	16.69	9.54	7.12	5.68	4.77	3.15	2.62	1.340
1.70V	60.93	46.22	27.30	16.27	9.32	6.97	5.57	4.69	3.10	2.58	1.323
1.75V	57.09	43.60	26.22	15.69	9.02	6.77	5.43	4.58	3.03	2.53	1.301
1.80V	51.95	40.07	24.73	14.89	8.61	6.49	5.22	4.43	2.94	2.47	1.269
1.85V	44.94	35.20	22.63	13.75	8.02	6.09	4.93	4.20	2.81	2.37	1.223

Constant Power Discharge Characteristics : WPC(25°C)

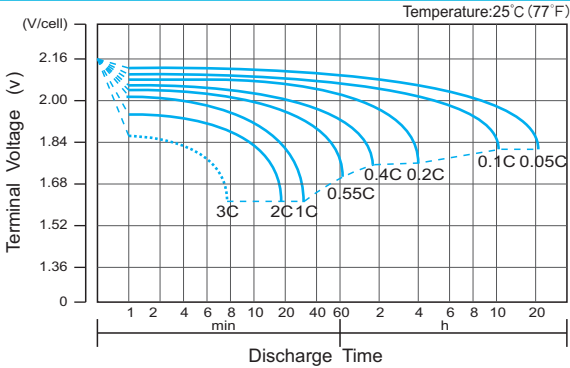
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	112	86.8	52.1	31.8	18.4	13.8	11.1	9.31	6.22	5.20	2.66
1.65V	111	86.0	51.8	31.5	18.2	13.7	11.0	9.24	6.17	5.16	2.64
1.70V	108	83.2	50.6	30.8	17.9	13.4	10.8	9.10	6.08	5.09	2.61
1.75V	103	79.7	49.1	29.9	17.4	13.1	10.5	8.92	5.96	5.00	2.57
1.80V	94.9	74.2	46.8	28.5	16.6	12.6	10.2	8.65	5.80	4.87	2.51
1.85V	83.6	66.1	43.2	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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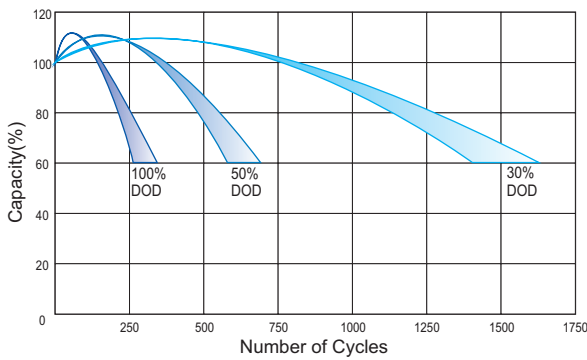
Discharge Characteristics Curve



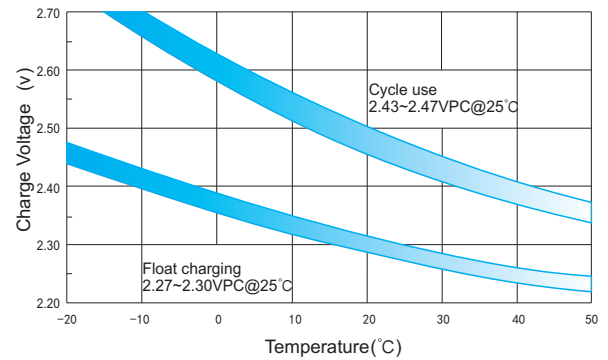
Charge Characteristic Curve for Cycle Use(IU)



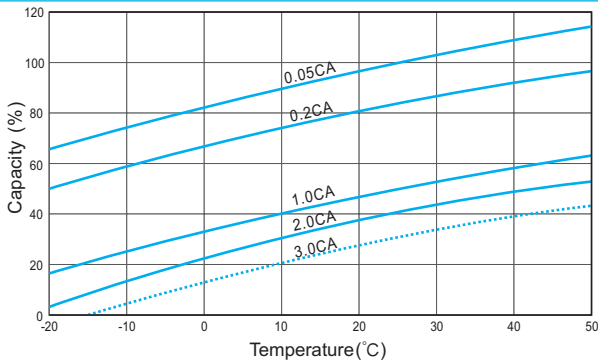
Cycle Life in Relation to Depth of Discharge



Relationship Between Charging Voltage and Temperature



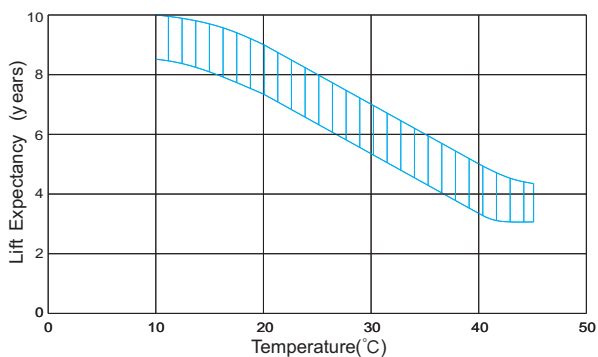
Temperature Effects on Capacity



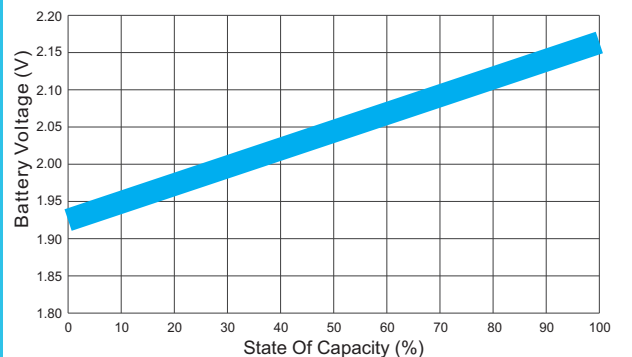
Storage Characteristics



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.