



RA12-80B(12V80Ah)

Specification

Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	80Ah@10hour-rate to 1.80V per cell @25°C
Weight	Approx. 22.5 Kg (Tolerance ±2.0%)
Internal Resistance	Approx. 5.5 mΩ
Terminal	F5(M8)/F11(M6)
Max. Discharge Current	800A (5 sec)
Short Circuit Current	1840A
Design Life	12 years (Float charging)
Recommended Maximum Charging Current	24 A
Reference Capacity	C3 59.0AH C5 67.9AH C10 76.0AH C20 80.4AH
Standby Use 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 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.



ISO 9001



ISO 14001



OHSAS 18001

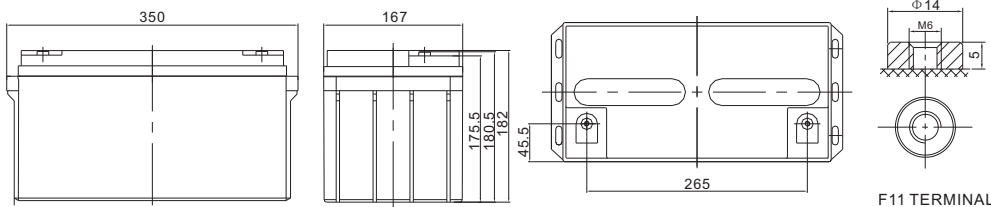


MH 28539



G4M20206-0910-E-16

Dimensions



Length	350±2mm (13.8 inches)
Width	167±2mm (6.57 inches)
Height	182±2mm (7.17 inches)
Total Height	182.5±2mm (7.17 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	183.0	137.8	79.74	47.27	28.32	20.79	16.89	14.26	9.53	8.10	4.15
1.65V	177.5	134.2	77.99	46.39	27.90	20.52	16.68	14.09	9.43	8.02	4.12
1.70V	170.4	129.4	75.67	45.23	27.35	20.15	16.40	13.87	9.30	7.92	4.08
1.75V	161.1	123.2	72.64	43.71	26.62	19.66	16.03	13.58	9.13	7.79	4.02
1.80V	149.3	115.3	68.71	41.71	25.66	19.02	15.54	13.20	8.91	7.60	3.94
1.85V	134.5	105.3	63.70	39.15	24.42	18.18	14.90	12.69	8.61	7.37	3.84

Constant Power Discharge Characteristics : WPC (25°C)

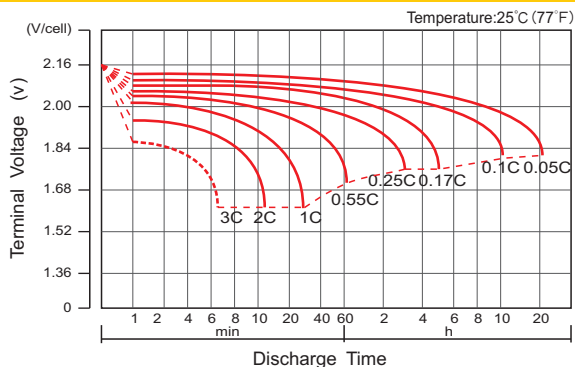
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	315.7	244.5	147.0	89.70	54.47	40.31	32.91	27.89	18.88	16.16	8.30
1.65V	314.4	243.1	145.9	88.97	54.07	40.02	32.67	27.71	18.75	16.04	8.25
1.70V	305.1	236.5	142.4	87.05	53.16	39.40	32.20	27.34	18.52	15.85	8.17
1.75V	293.7	228.5	138.1	84.54	51.99	38.61	31.59	26.86	18.22	15.59	8.06
1.80V	276.9	216.8	131.9	81.07	50.37	37.49	30.73	26.19	17.81	15.25	7.91
1.85V	253.9	200.7	123.5	76.63	48.18	36.00	29.58	25.27	17.25	14.79	7.72

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

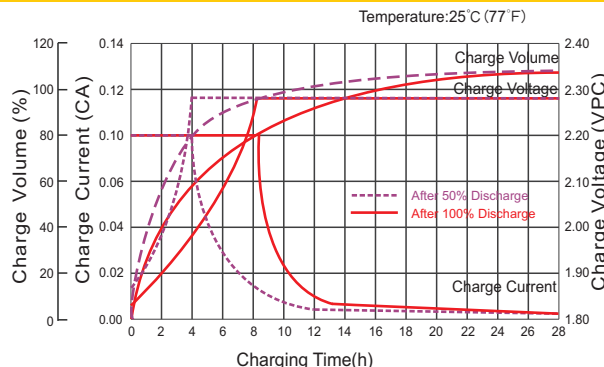
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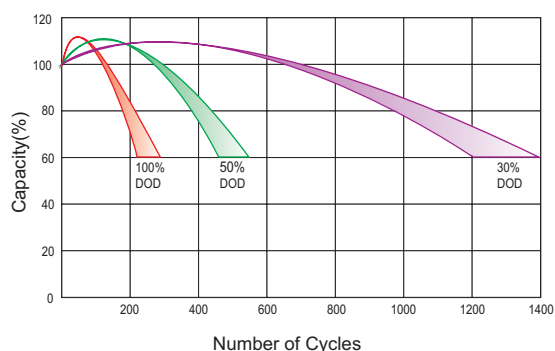
Discharge Characteristics Curve



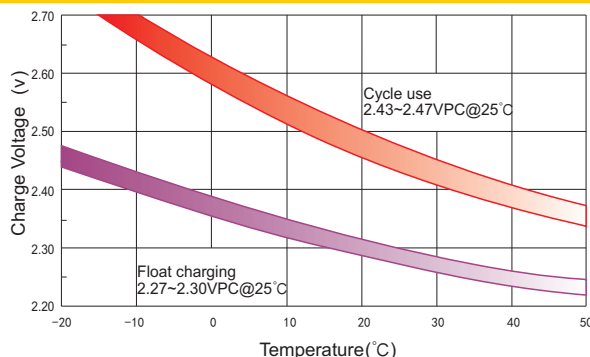
Charge Characteristic Curve For Standby Use



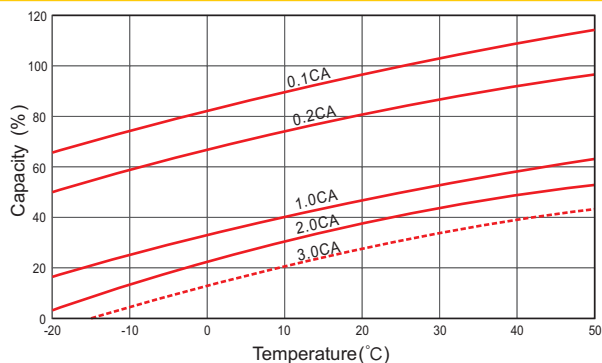
Cycle Life In Relation To Depth Of Discharge



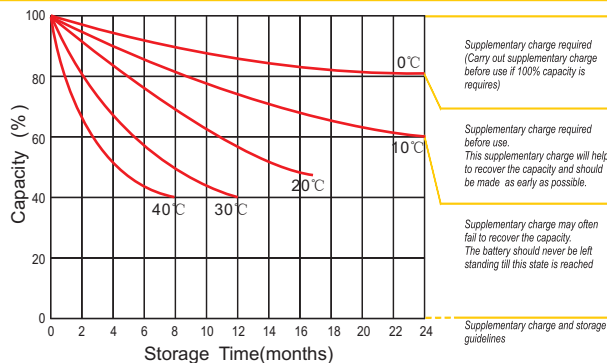
Relationship Between Charging Voltage And Temperature



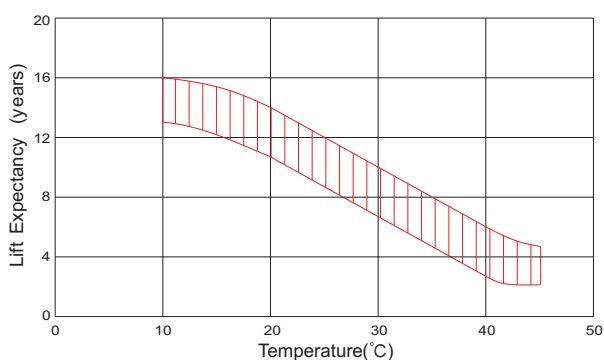
Temperature Effects On Capacity



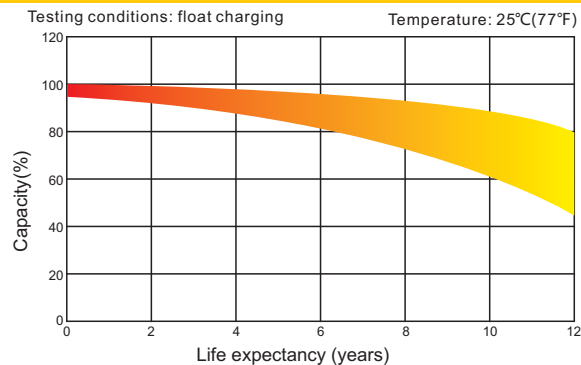
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



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