RA12-70(12V70Ah)

Specification

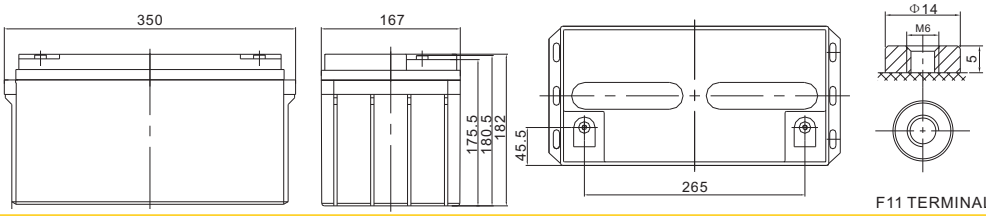
Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	70Ah@10hour-rate to 1.80V per cell @25℃
Weight	Approx. 22.5 Kg (Tolerance±2.0%)
Internal Resistance	Approx. 6.0 mΩ
Terminal	F5(M8)/F16(M6)
Max. Discharge Current	700A (5 sec)
Short Circuit Current	1520A
Design Life	12 years (Float charging)
Recommended Maximum Charging Current	21 A
Reference Capacity	C3 54.3AH C5 62.6AH C10 70.0AH C20 74.0AH
Standby Use Voltage	13.6 V~13.8 V @ 25℃ Temperature Compensation: -3mV/℃/Cell
Cycle Use Voltage	14.6 V~14.8 V @ 25℃ Temperature Compensation: -4mV/℃/Cell
Operating Temperature Range	Discharge: -20℃~60℃ Charge: 0℃~50℃ Storage: -20℃~60℃
Normal Operating Temperature Range	25℃±5℃
Self Discharge	RITAR Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25℃ and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25℃.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.

IQNet CERTIFICATE IQNet CERTIFICATE

MH28539 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±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℃)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	172.0	128.2	74.19	43.53	26.08	19.15	15.55	13.13	8.77	7.46	3.83
1.65V	166.8	124.8	72.55	42.73	25.70	18.90	15.36	12.98	8.69	7.39	3.80
1.70V	160.1	120.4	70.40	41.66	25.19	18.56	15.10	12.78	8.57	7.30	3.76
1.75V	151.4	114.7	67.58	40.25	24.52	18.11	14.76	12.51	8.41	7.17	3.70
1.80V	140.3	107.3	63.93	38.42	23.64	17.52	14.31	12.15	8.20	7.00	3.63
1.85V	126.4	97.93	59.26	36.06	22.49	16.74	13.72	11.69	7.93	6.78	3.53

Constant Power Discharge Characteristics : WPC (25℃)

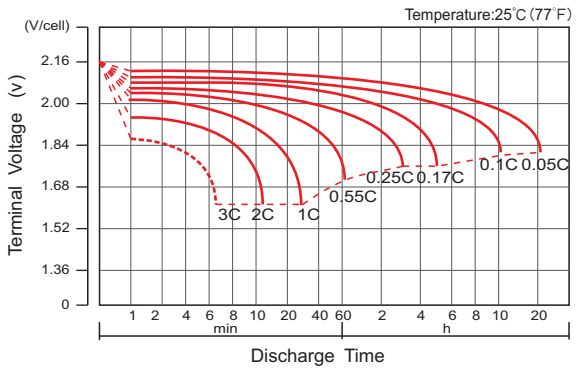
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	296.7	227.5	136.8	82.62	50.17	37.13	30.31	25.69	17.39	14.89	7.65
1.65V	295.5	226.2	135.8	81.95	49.80	36.86	30.09	25.53	17.27	14.78	7.60
1.70V	286.7	220.1	132.5	80.18	48.97	36.29	29.66	25.18	17.06	14.60	7.53
1.75V	276.0	212.6	128.5	77.86	47.88	35.56	29.10	24.74	16.78	14.36	7.43
1.80V	260.2	201.7	122.8	74.67	46.39	34.53	28.31	24.12	16.40	14.05	7.29
1.85V	238.6	186.8	114.9	70.58	44.38	33.15	27.24	23.27	15.89	13.63	7.11

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

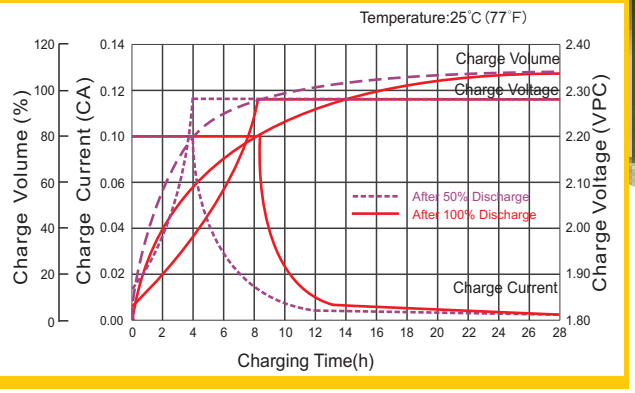
RA12-70(12V70Ah)

RITAR®

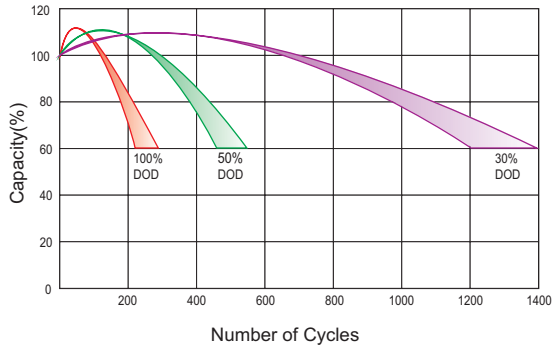
Discharge Characteristics Curve



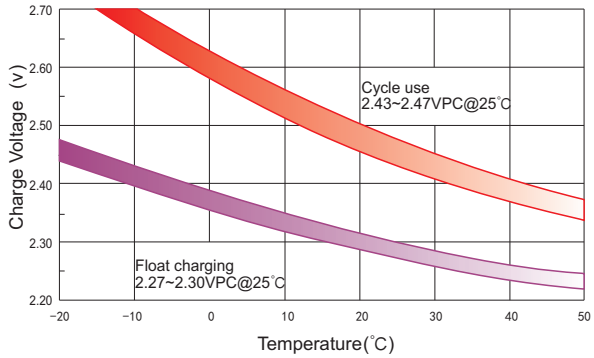
Charge Characteristic Curve For Standby Use



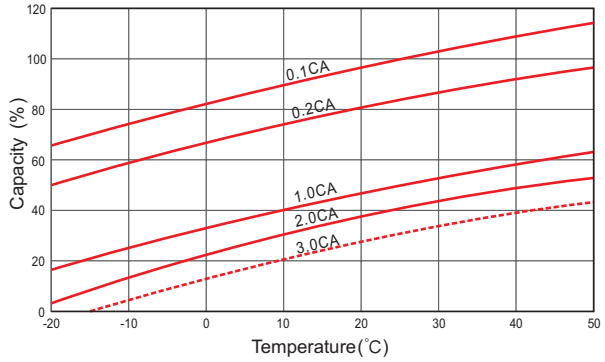
Cycle Life In Relation To Depth Of Discharge



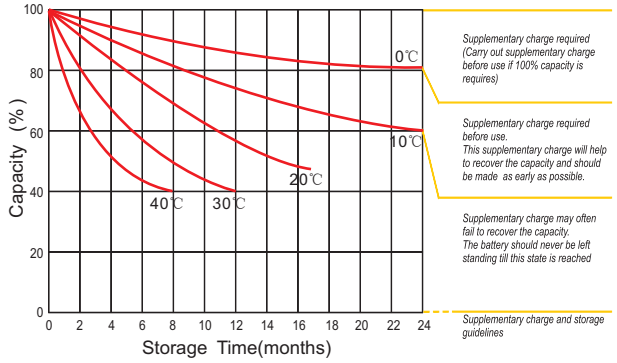
Relationship Between Charging Voltage And Temperature



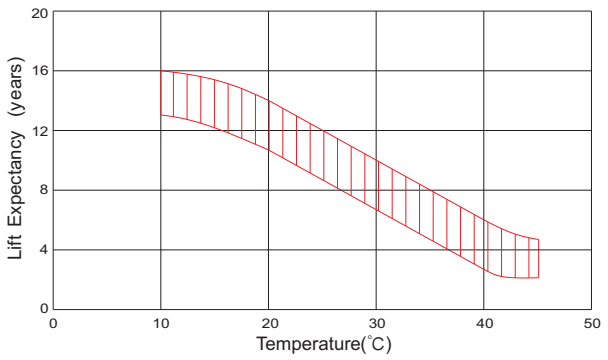
Temperature Effects On Capacity



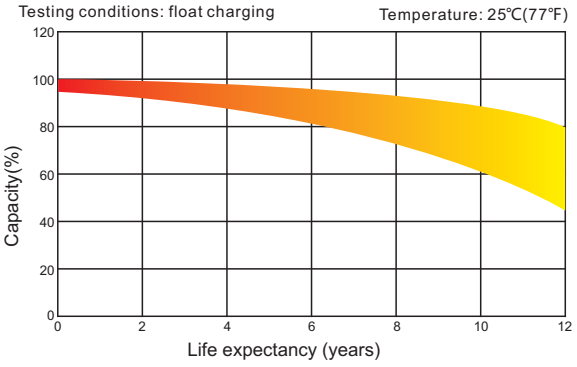
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



For Battery Sales + EPA Battery Recycling and AC / DC Power Services, please contact:
Moore & Moore Solutions, Inc.
Phone: 484-302-7009
Email: mr@mooreu.com
www.MooreU.com