



RL2-2000A(2V2000Ah)

Specification

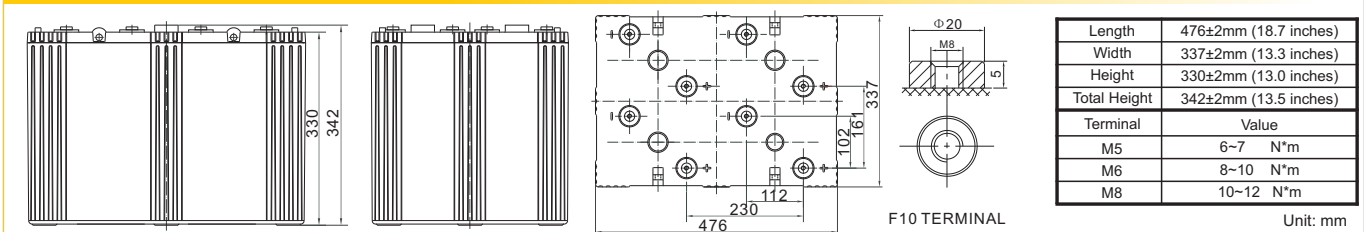
Cells Per Unit	1
Voltage Per Unit	2
Nominal Capacity	2000Ah@10hour-rate to 1.80V per cell @25°C
Weight	Approx. 114.0 Kg (Tolerance±1%)
Internal Resistance	Approx. 0.35 mΩ
Terminal	F10(M8)
Max. Discharge Current	7000A (5 sec)
Short Circuit Current	13380A
Design Life	20 years (Float charging)
Recommended Maximum Charging Current	400 A
Reference Capacity	C1 1178.0AH C3 1550.7AH C5 1750.0AH C10 2000.0AH
Standby Use Voltage	2.27 V~2.30 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.43 V~2.47 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	Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging be stored for up to 6 months at 25°C and then recharging than 3% at 25°C. Please charge batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



RL series is a general purpose battery with 20 years design life in float service. It meets with heavy duty grids, thicker plates, special additives and advanced AGM valve regulated technology, the RL series battery provides consistent performance and long service life. The new grid design effectively reduces the internal resistance, which provides higher specific energy density and excellent high rate discharge characteristics. It is suitable for communications back-up power and EPS/UPS applications.



Dimensions



Constant Current Discharge Characteristics : A (25°C)

F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	1954	1178	710.2	546.7	436.1	367.4	253.4	213.1
1.67V	1911	1156	699.8	539.4	430.7	363.1	250.8	211.1
1.70V	1854	1127	686.0	529.8	423.5	357.5	247.4	208.4
1.75V	1780	1089	667.7	516.9	413.9	350.0	242.9	204.8
1.80V	1684	1039	643.6	500.0	401.3	340.0	236.9	200.0
1.85V	1561	975	612.4	477.9	384.7	327.0	229.0	193.7

Constant Power Discharge Characteristics : WPC (25°C)

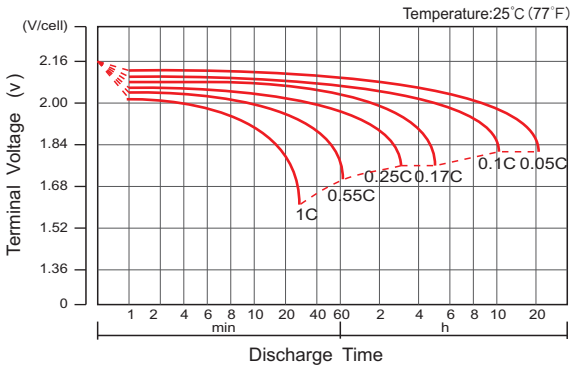
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	3654	2232	1356	1050	840.6	717.5	498.1	419.5
1.67V	3611	2207	1345	1041	834.5	711.4	494.1	416.3
1.70V	3516	2158	1322	1025	822.2	701.2	487.7	411.4
1.75V	3392	2095	1292	1004	806.4	687.8	479.3	404.8
1.80V	3224	2010	1250	974.3	784.5	669.8	468.0	395.9
1.85V	3010	1896	1195	934.9	754.7	645.6	453.1	384.0

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

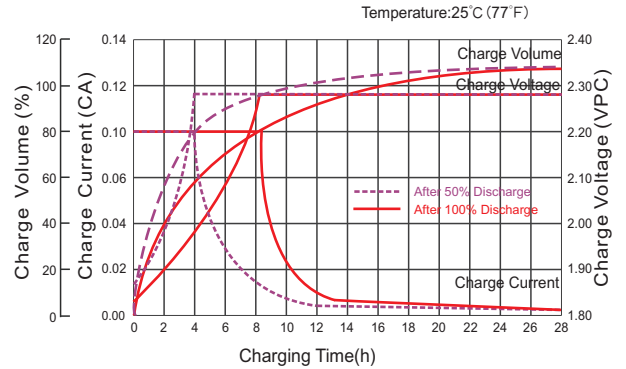
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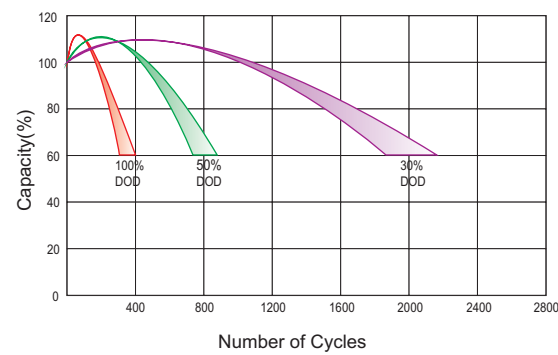
Discharge Characteristics Curve



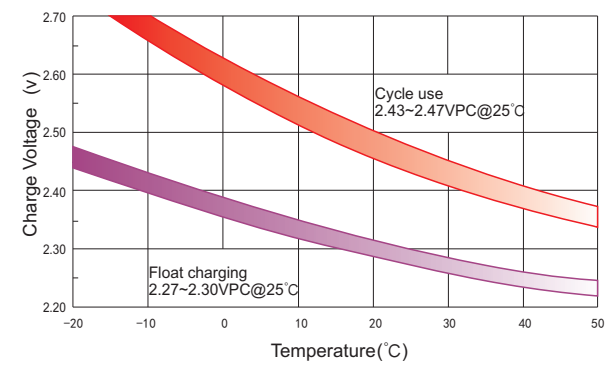
Charge Characteristic Curve For Standby Use



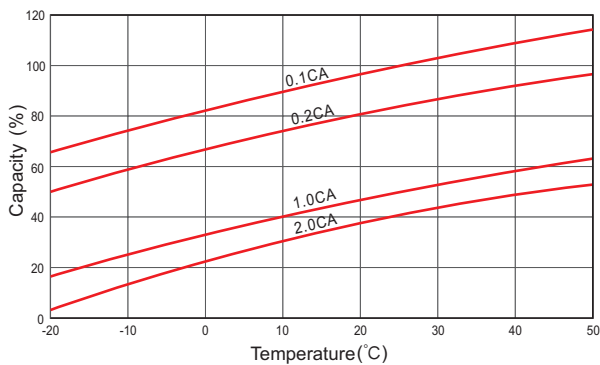
Cycle Life In Relation To Depth Of Discharge



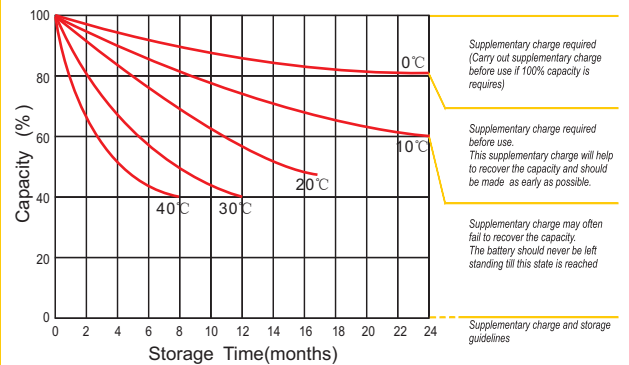
Relationship Between Charging Voltage And Temperature



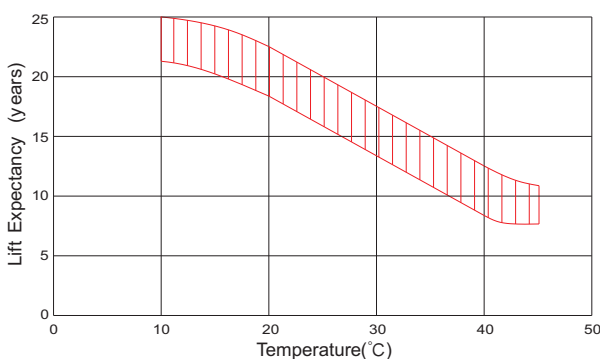
Temperature Effects On Capacity



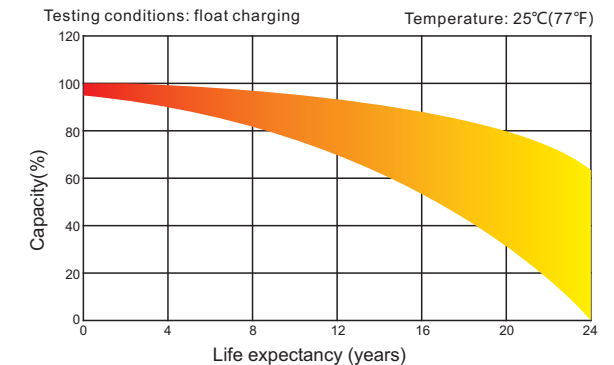
Storage Characteristics



Effect Of Temperature On Long Term Life



Charge Characteristic Curve For Standby Use



For Battery Sales + EPA Battery Recycling and AC / DC Power Services, please contact:
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