



RL2-1500(2V1500Ah)

Specification

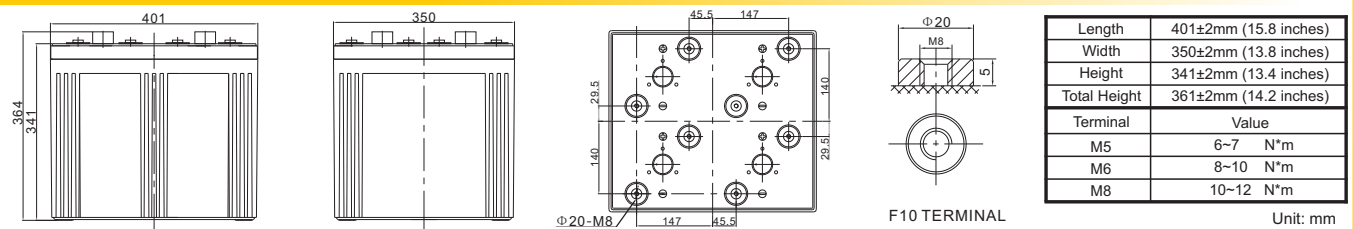
Cells Per Unit	1
Voltage Per Unit	2
Nominal Capacity	1500Ah@10hour-rate to 1.80V per cell @25°C
Weight	Approx. 91.0 Kg (Tolerance ± 1%)
Internal Resistance	Approx. 0.5 mΩ
Terminal	F10(M8)
Max. Discharge Current	6000A (5 sec)
Short Circuit Current	10200A
Design Life	20 years (Float charging)
Recommended Maximum Charging Current	300 A
Reference Capacity	C1 848.2AH C3 1163.1AH C5 1312.5AH C10 1500.0AH
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	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.



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	20HR
1.60V	1465	917.3	554.8	410.0	330.4	275.5	190.0	159.8	83.9
1.65V	1433	900.3	546.7	404.6	326.3	272.3	188.1	158.3	83.1
1.70V	1391	877.8	535.9	397.3	320.8	268.1	185.6	156.3	82.0
1.75V	1335	848.2	521.6	387.7	313.6	262.5	182.2	153.6	80.6
1.80V	1263	809.6	502.8	375.0	304.0	255.0	177.7	150.0	78.8
1.85V	1171	759.8	478.4	358.5	291.5	245.3	171.7	145.3	76.3

Constant Power Discharge Characteristics : WPC (25°C)

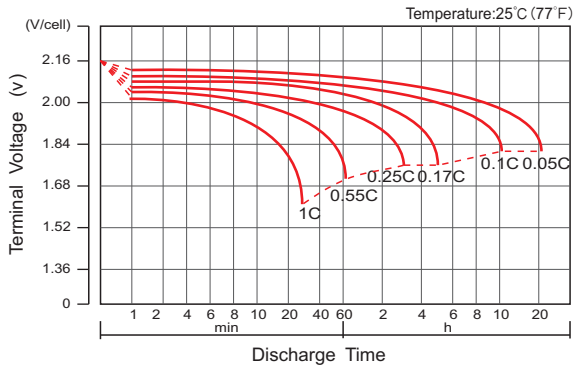
F. V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	2740	1739	1060	787.2	636.8	538.1	373.6	314.7	165.2
1.65V	2708	1719	1051	780.8	632.2	533.5	370.6	312.2	163.9
1.70V	2637	1681	1032	768.5	622.9	525.9	365.8	308.5	162.0
1.75V	2544	1632	1009	752.8	610.9	515.8	359.5	303.6	159.4
1.80V	2418	1565	976.7	730.8	594.3	502.4	351.0	296.9	155.9
1.85V	2258	1477	933.4	701.1	571.8	484.2	339.8	288.0	151.2

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

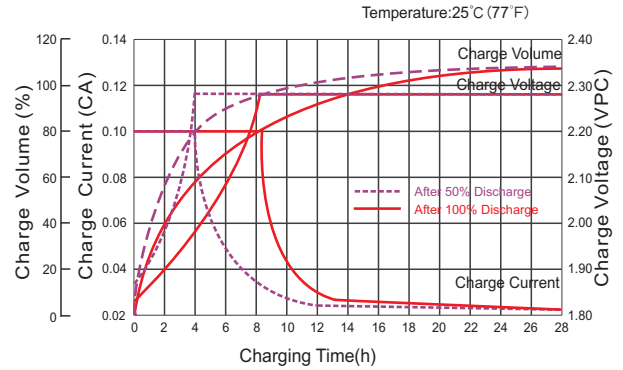
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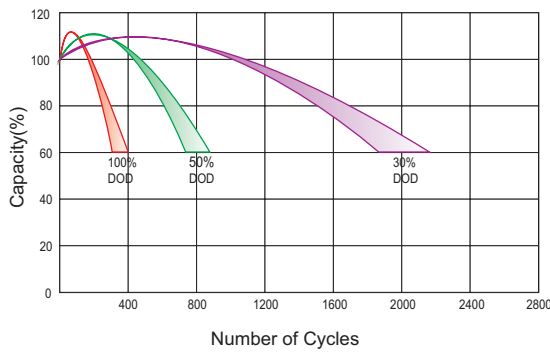
Discharge Characteristics Curve



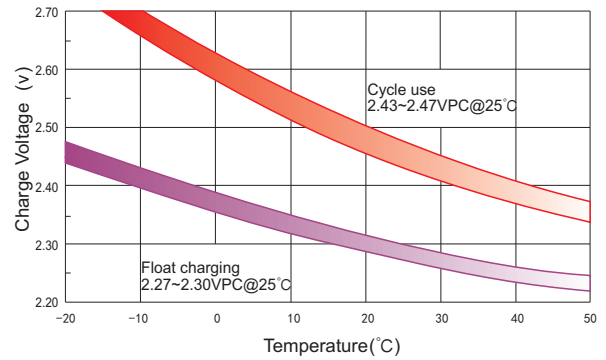
Charge Characteristic Curve For Standby Use



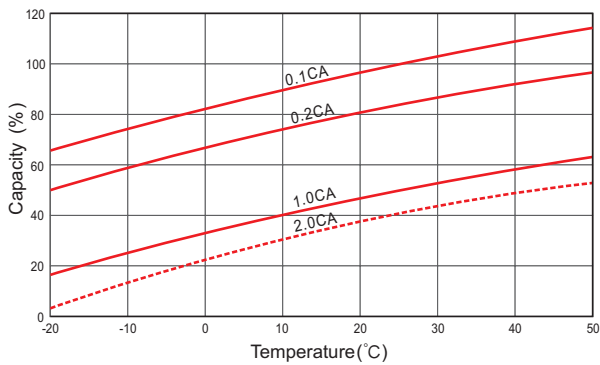
Cycle Life In Relation To Depth Of Discharge



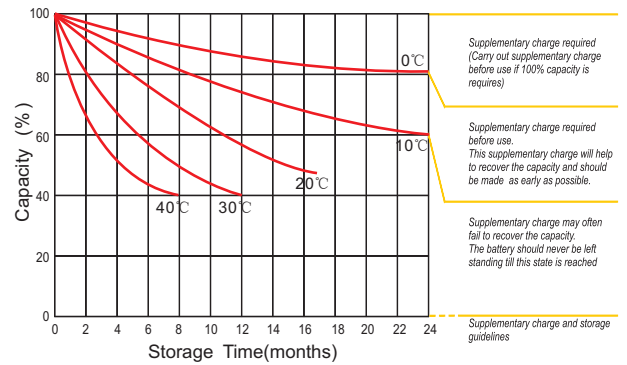
Relationship Between Charging Voltage And Temperature



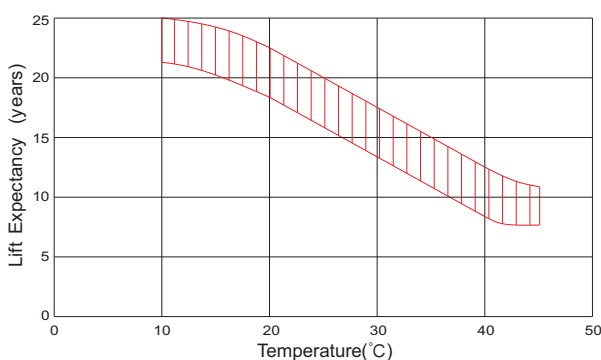
Temperature Effects On Capacity



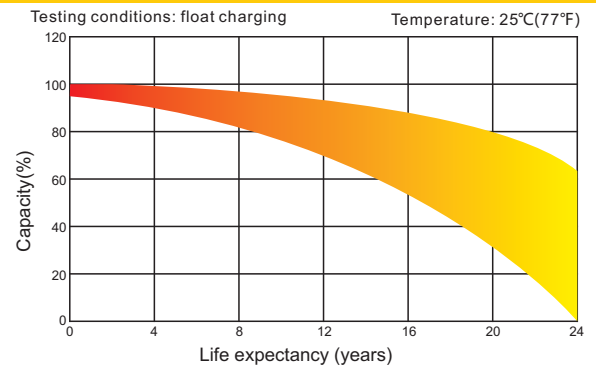
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



(Note) All above information shall be changed without prior notice, Ritar reserves the right to explain and update the latest information.