



RL2-3000A(2V3000Ah)

Specification

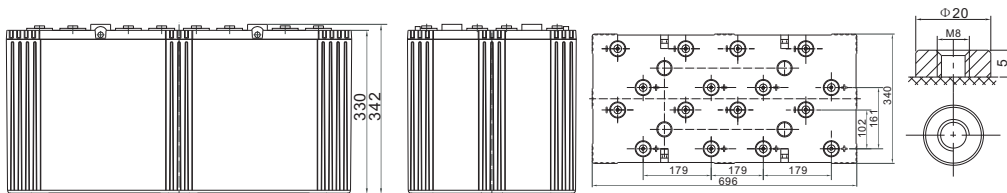
Cells Per Unit	1
Voltage Per Unit	2
Nominal Capacity	3000Ah@10hour-rate to 1.80V per cell @25°C
Weight	Approx. 170.0 Kg (Tolerance ± 1%)
Internal Resistance	Approx. 0.30 mΩ
Terminal	F10(M8)
Max. Discharge Current	8000A (5 sec)
Short Circuit Current	23150A
Design Life	20 years (Float charging)
Recommended Maximum Charging Current	600 A
Reference Capacity	C1 1767.0AH C3 2326.2AH C5 2624.5AH C10 3000.0AH
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



Length	696±2mm (27.4 inches)
Width	340±2mm (13.4 inches)
Height	330±2mm (13.0 inches)
Total Height	342±2mm (13.5 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

F10 TERMINAL

Unit: mm

Constant Current Discharge Characteristics : A (25°C)

F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	2931	1767	1065	820.1	654.2	551.0	380.1	319.6
1.67V	2867	1734	1050	809.2	646.0	544.7	376.3	316.6
1.70V	2782	1691	1029	794.6	635.2	536.2	371.1	312.5
1.75V	2670	1633	1002	775.4	620.9	524.9	364.3	307.2
1.80V	2526	1559	965	750.0	601.9	510.0	355.3	300.0
1.85V	2341	1463	918.5	716.9	577.1	490.5	343.4	290.6

Constant Power Discharge Characteristics : WPC (25°C)

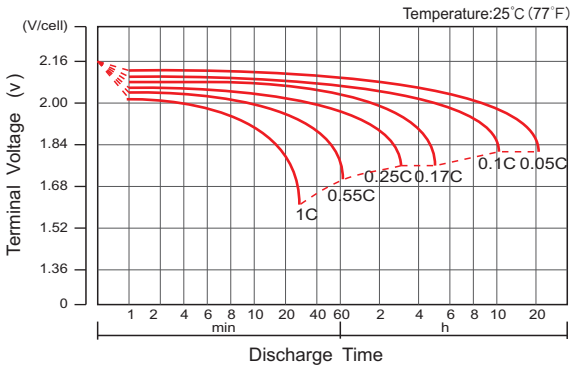
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	5480	3348	2035	1574	1261	1076	747.1	629.3
1.67V	5416	3310	2017	1562	1252	1067	741.1	624.5
1.70V	5274	3237	1982	1537	1233	1052	731.6	617.1
1.75V	5088	3143	1938	1506	1210	1032	719.0	607.2
1.80V	4836	3015	1875	1462	1177	1005	702.1	593.8
1.85V	4515	2845	1792	1402	1132	968.5	679.7	575.9

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

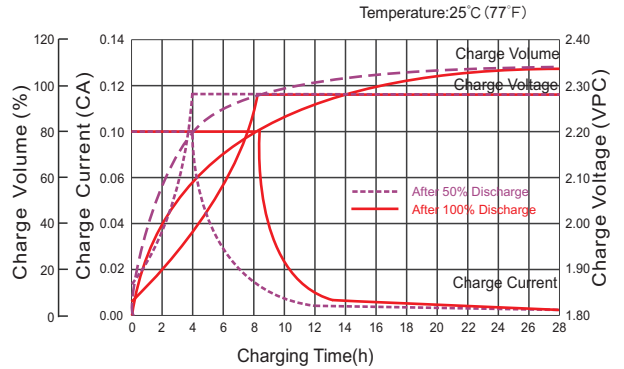
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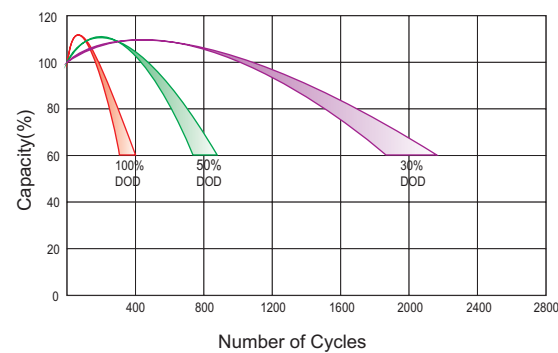
Discharge Characteristics Curve



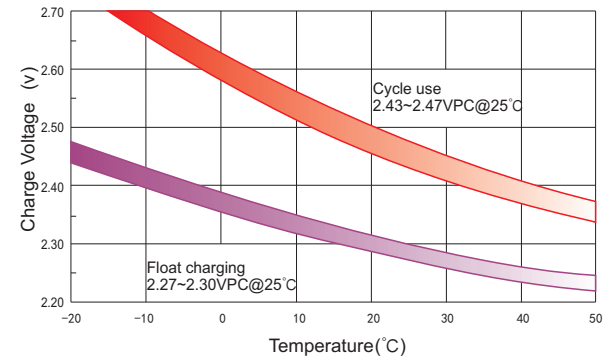
Charge Characteristic Curve For Standby Use



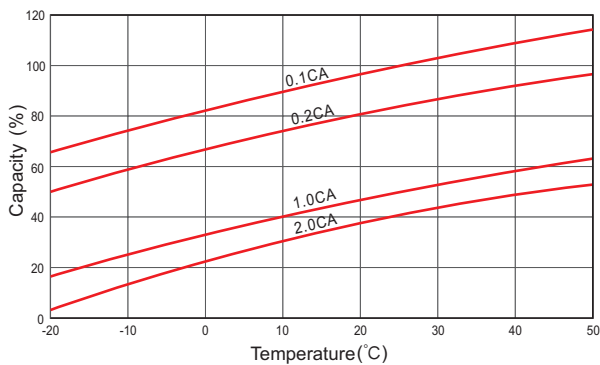
Cycle Life In Relation To Depth Of Discharge



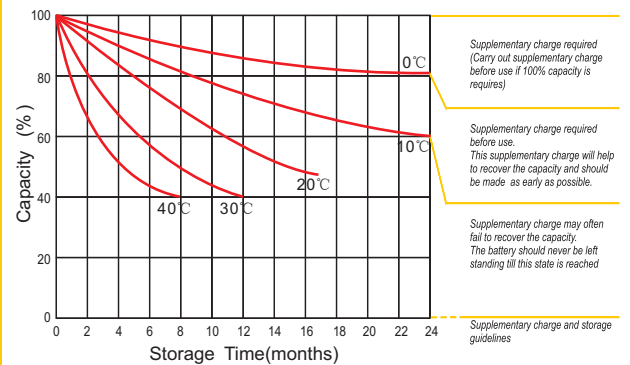
Relationship Between Charging Voltage And Temperature



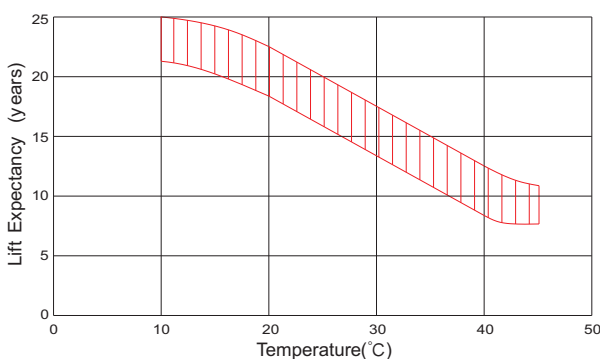
Temperature Effects On Capacity



Storage Characteristics



Effect Of Temperature On Long Term Life



Charge Characteristic Curve For Standby Use

