

DC2-200(2V200Ah)



Specification

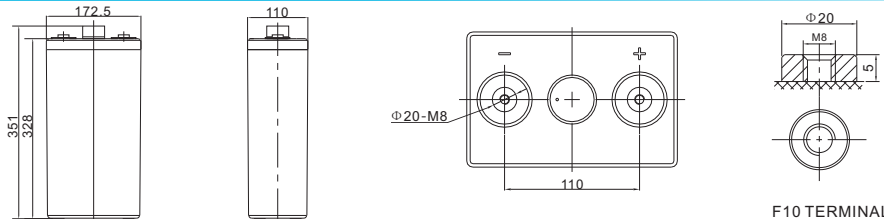
Cells Per Unit	1
Voltage Per Unit	2
Capacity	200Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 13.1 Kg (Tolerance ±3%)
Internal Resistance	Approx. 0.8 mΩ
Terminal	F10(M8)
Max. Discharge Current	1000A (5 sec)
Design Life	20 years (floating charge)
Maximum Charging Current	40.0 A
Reference Capacity	C1 123.5AH C3 156.5AH C5 176.1AH C10 200.1AH
Float Charging 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 charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharge. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offers 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment, RV, telecom, broadband and cable TV, UPS systems etc.



Dimensions



Length	172.5±1mm (6.79 inches)
Width	110±1mm (4.33 inches)
Height	328±1mm (12.9 inches)
Total Height	351±1mm (13.8 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	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	313.9	197.4	123.5	74.72	55.70	44.05	37.13	25.34	21.47
1.65V	313.9	193.2	121.2	73.45	54.84	43.44	36.67	25.06	21.25
1.70V	301.2	187.8	118.1	71.77	53.71	42.64	36.05	24.68	20.96
1.75V	284.1	180.3	113.9	69.46	52.16	41.53	35.21	24.16	20.56
1.80V	261.1	170.1	108.1	66.27	50.00	39.98	34.03	23.43	20.01
1.85V	229.4	155.6	99.81	61.70	46.90	37.75	32.32	22.37	19.19

Constant Power Discharge Characteristics : WPC(25°C)

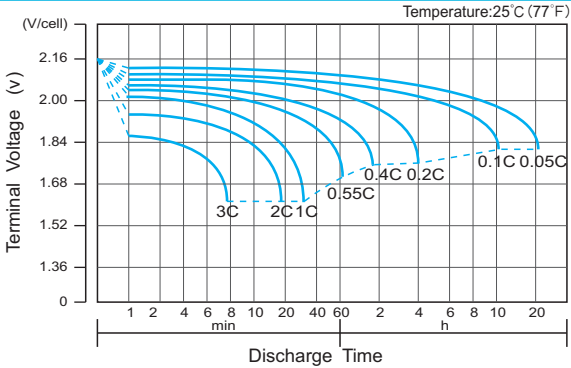
F. V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	548.8	358.5	231.0	141.6	106.4	84.57	71.56	49.49	42.20
1.65V	560.4	356.2	229.0	140.2	105.4	83.85	71.04	49.08	41.86
1.70V	542.4	348.1	224.0	137.4	103.5	82.47	70.00	48.41	41.32
1.75V	519.1	337.7	217.1	133.6	100.9	80.63	68.59	47.48	40.58
1.80V	483.8	321.8	207.0	128.1	97.12	77.91	66.53	46.15	39.53
1.85V	431.0	297.3	192.5	120.0	91.50	73.84	63.40	44.17	37.98

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

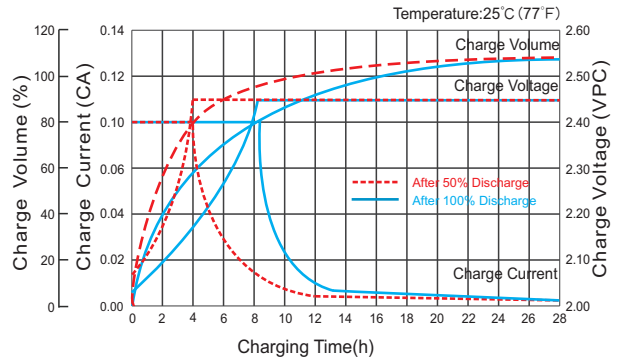
DC2-200(2V200Ah)



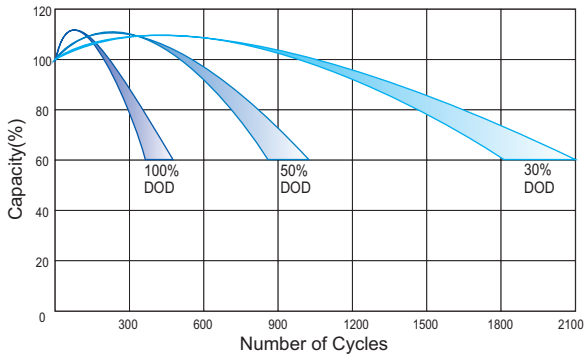
Discharge Characteristics Curve



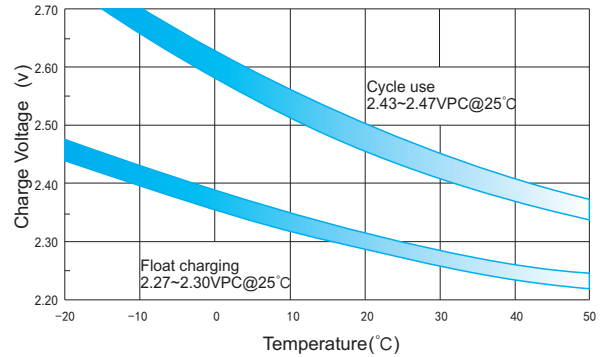
Charge Characteristic Curve for Cycle Use(IU)



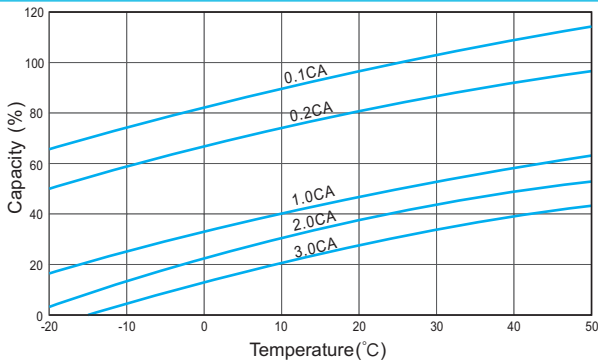
Cycle Life in Relation to Depth of Discharge



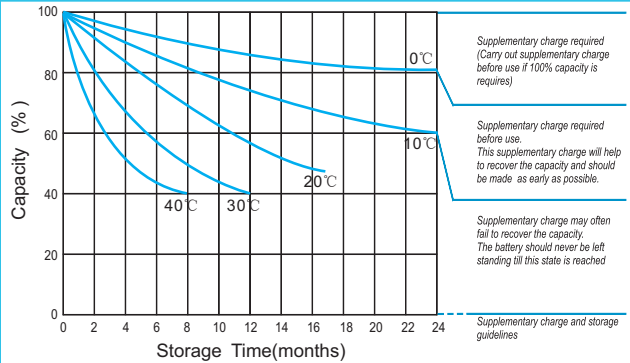
Relationship Between Charging Voltage and Temperature



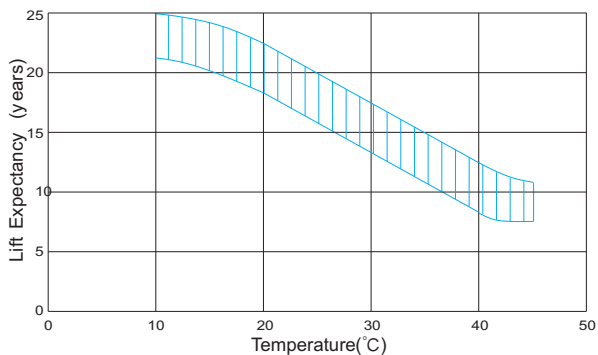
Temperature Effects on Capacity



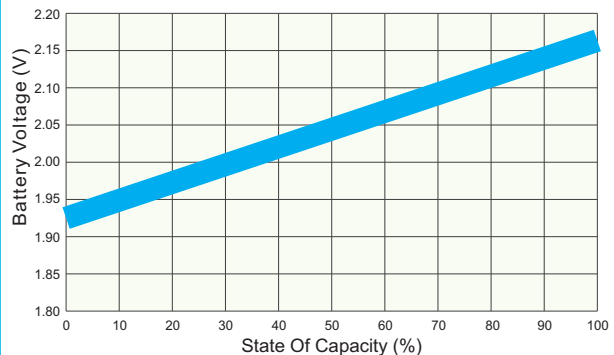
Storage Characteristics



Effect of Temperature on Long Term Life



Relationship of OCV And State of Charge(20°C)



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 Phone: 484-302-7009
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