DC6-200(6V200Ah)

RITAR®

Specification

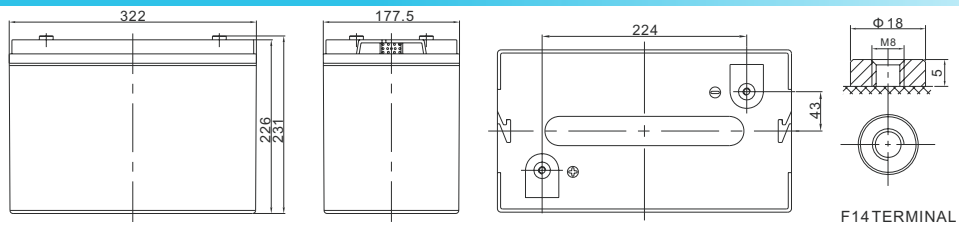
Cells Per Unit	3
Voltage Per Unit	6
Capacity	200Ah@20hr-rate to 1.75V per cell @25℃
Weight	Approx. 29.0 Kg (Tolerance±2%)
Internal Resistance	Approx. 1.8 mΩ
Terminal	F14(M8)/F16(M8)
Max. Discharge Current	2000A (5 sec)
Design Life	12 years (floating charge)
Maximum Charging Current	60.0 A
Reference Capacity	C3 147.3Ah C5 167.0Ah C10 190.0Ah C20 200.0Ah
Float Charging Voltage	6.80 V~6.90 V @ 25℃ Temperature Compensation: -3mV/℃/Cell
Cycle Use Voltage	7.30 V~7.40 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 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.

ISO 9001 ISO 14001 OHSAS 18001

MH 28539 G4M20206-0910-E-16

Dimensions



F14TERMINAL

Length	322±2mm (12.7 inches)
Width	177.5±2mm (6.99 inches)
Height	226±2mm (8.90 inches)
Total Height	231±2mm (9.09 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	405.7	323.1	187.3	116.2	70.3	52.4	41.8	35.3	24.1	20.4	10.4
1.65V	392.2	313.4	183.4	114.0	69.1	51.6	41.3	34.8	23.8	20.2	10.3
1.70V	374.5	300.7	178.2	111.1	67.5	50.5	40.5	34.2	23.4	19.9	10.2
1.75V	350.9	283.7	171.1	107.1	65.3	49.1	39.5	33.4	22.9	19.5	10.0
1.80V	319.4	260.7	161.4	101.6	62.3	47.0	38.0	32.3	22.3	19.0	9.75
1.85V	276.2	229.0	147.7	93.9	58.0	44.1	35.9	30.7	21.3	18.2	9.40

Constant Power Discharge Characteristics : WPC(25℃)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	726	595	358	229	140	105	84.6	71.6	49.5	42.2	21.5
1.65V	720	589	356	227	139	104	83.8	71.0	49.1	41.9	21.4
1.70V	696	570	348	222	136	102	82.5	70.0	48.4	41.3	21.1
1.75V	664	545	337	215	132	99.9	80.6	68.6	47.5	40.6	20.8
1.80V	614	508	321	205	127	96.1	77.9	66.5	46.2	39.5	20.3
1.85V	541	453	297	191	119	90.6	73.8	63.4	44.2	38.0	19.6

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

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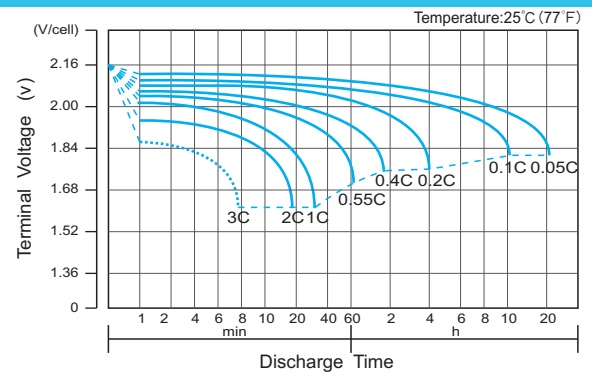
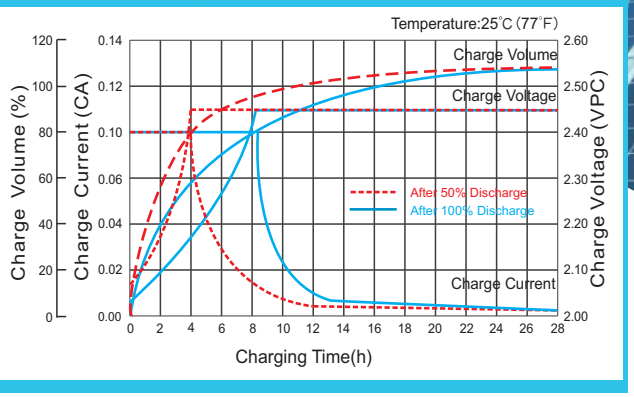
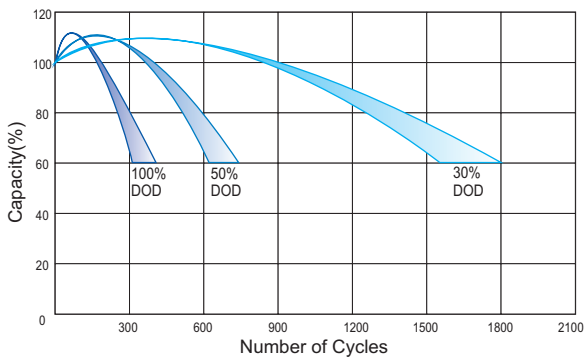
Discharge Characteristics Curve



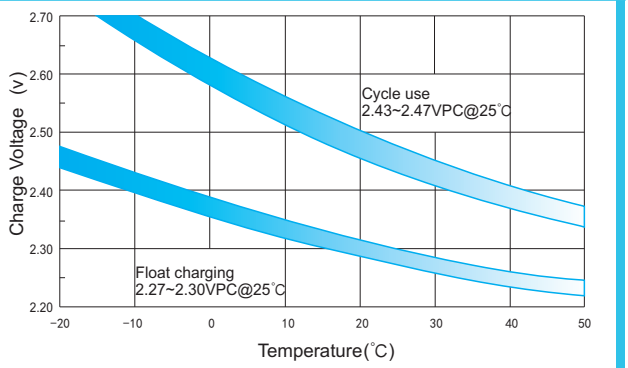
Charge Characteristic Curve for Cycle Use(IU)



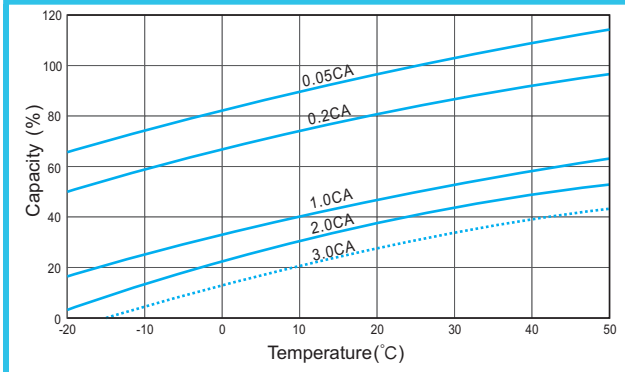
Cycle Life in Relation to Depth of Discharge



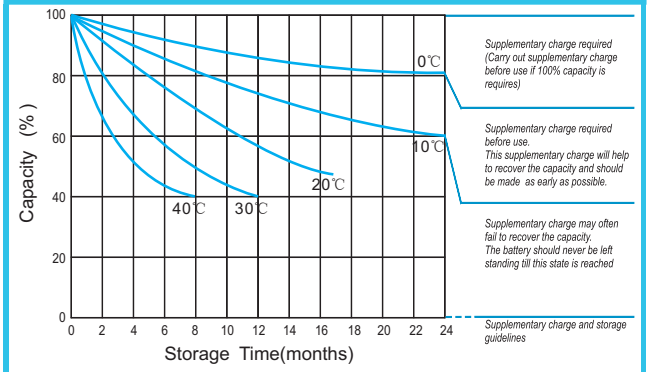
Relationship Between Charging Voltage and Temperature



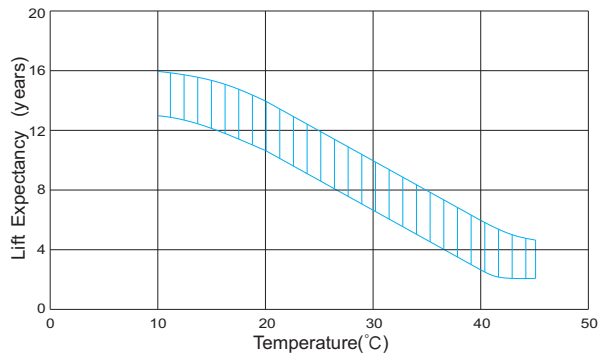
Temperature Effects on Capacity



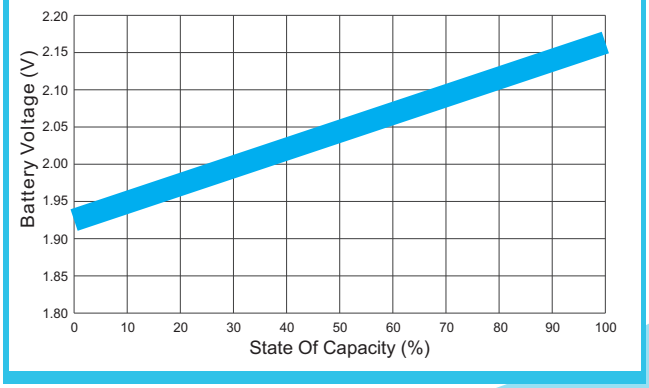
Storage Characteristics



Effect of Temperature on Long Term Life



Relationship of OCV And State of Charge(20℃)



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