DG12-134(12V134Ah)

RITAR®

Specification

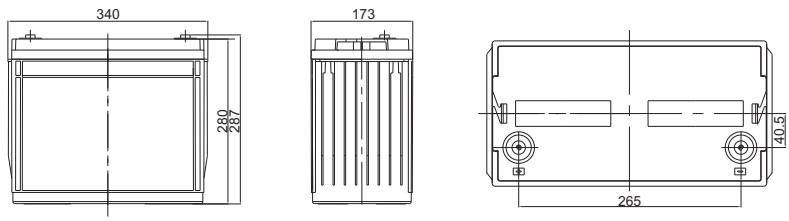
Cells Per Unit	6
Voltage Per Unit	12
Capacity	134Ah@20hr-rate to 1.75V per cell @25℃
Weight	Approx. 41.5 Kg (Tolerance±1.5%)
Internal Resistance	Approx. 5 mΩ
Terminal	F5(M8)/F12(M8)
Max. Discharge Current	1340A (5 sec)
Design Life	15 years (floating charge)
Maximum Charging Current	26.8A
Reference Capacity	C3 91.5AH C5 101.5AH C10 116.0AH C20 134.0AH
Float Charging Voltage	13.6 V~13.8 V @ 25℃ Temperature Compensation: -3mV/℃/Cell
Cycle Use Voltage	14.2 V~14.4 V @ 25℃ Temperature Compensation: -4mV/℃/Cell
Operating Temperature Range	Discharge: -40℃~60℃ Charge: -20℃~50℃ Storage: -40℃~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.

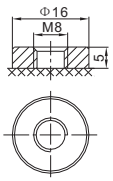
DG (Deep Cycle GEL) series is pure GEL battery with 15 years floating design life , it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented Gel electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and can deliver 450 cycles at 100% DOD. Suitable for solar & wind system, CATV, marine, RV and deep discharge UPS, and telecommunication, etc.

IQNet CERTIFICATE IQNet CERTIFICATE

MH28539 G4M20206-0910-E-16

Dimensions





F12 Terminal

Length	340±1mm (13.4 inches)
Width	173±1mm (6.81 inches)
Height	280±1mm (11.0 inches)
Total Height	287±1mm (11.3 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	228.4	183.3	122.9	74.9	44.8	31.0	25.4	20.8	14.3	12.1	7.37
1.65V	217.3	179.6	121.8	74.6	44.5	30.9	25.3	20.7	14.2	12.0	7.10
1.70V	209.6	176.8	121.0	73.9	44.1	30.6	25.2	20.5	14.1	11.9	6.90
1.75V	195.8	170.3	119.2	73.2	43.8	30.5	24.9	20.3	14.0	11.8	6.70
1.80V	180.6	158.8	115.0	71.4	43.0	29.7	24.3	19.9	13.7	11.6	6.30
1.85V	163.3	144.1	108.8	67.9	41.1	28.4	23.2	19.1	13.2	11.3	6.03

Constant Power Discharge Characteristics : WPC(25℃)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	405	336	233	144	88.0	61.5	50.4	41.3	28.5	24.1	13.0
1.65V	393	331	231	144	87.6	61.5	50.4	41.2	28.4	24.0	12.8
1.70V	383	327	231	143	87.1	61.2	50.3	41.1	28.2	23.7	12.6
1.75V	361	316	228	142	86.4	61.0	49.8	40.6	27.9	23.5	12.3
1.80V	336	295	221	139	85.3	59.3	48.7	39.9	27.5	23.3	12.1
1.85V	308	269	209	133	82.2	56.7	46.3	38.1	26.3	22.6	11.4

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

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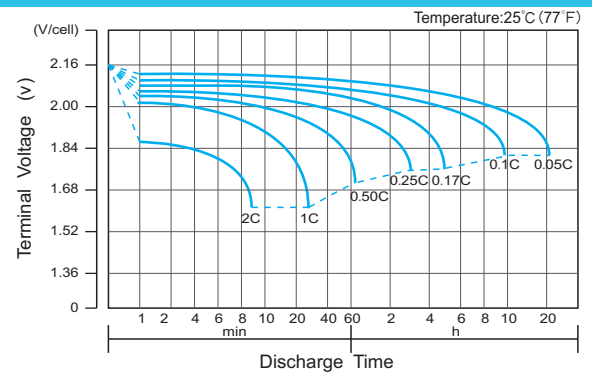
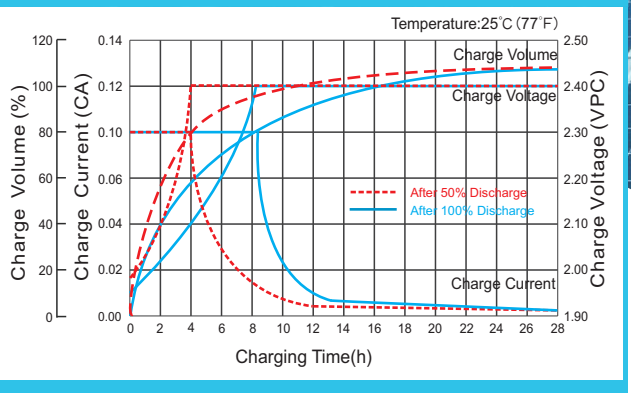
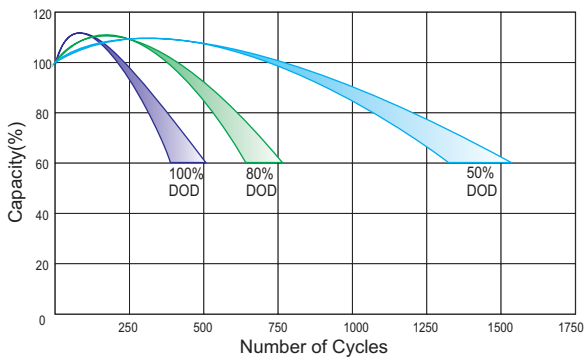
Discharge Characteristics Curve



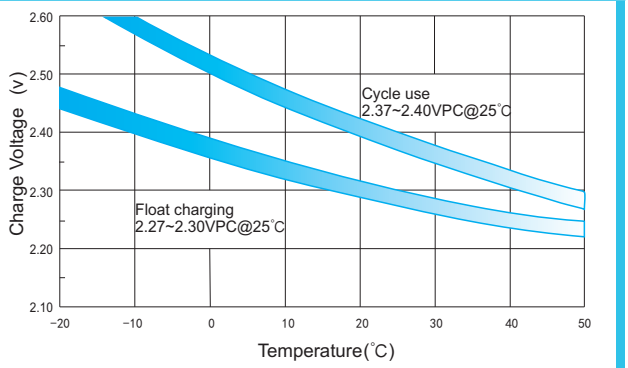
Charge Characteristic Curve for Cycle Use(IU)



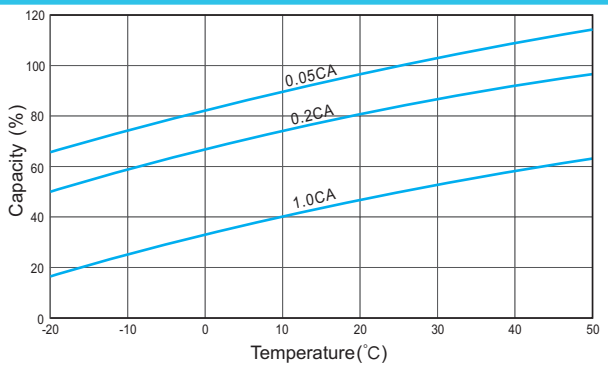
Cycle Life in Relation to Depth of Discharge



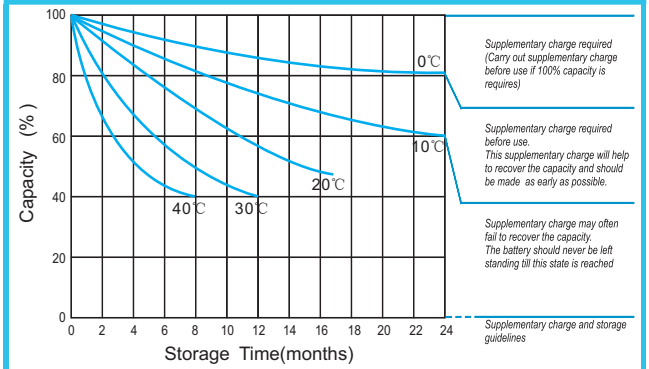
Relationship Between Charging Voltage and Temperature



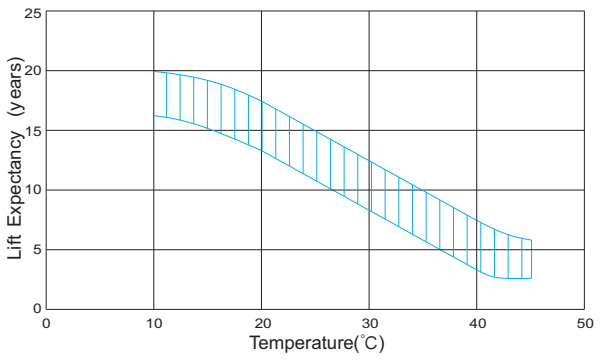
Temperature Effects on Capacity



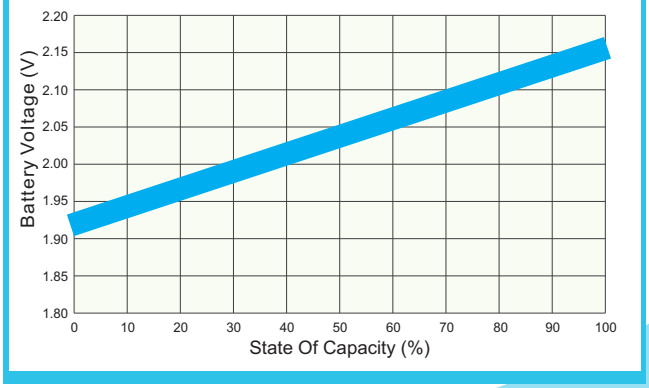
Storage Characteristics



Effect of Temperature on Long Term Life



Relationship of OCV And State of Charge(20℃)



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