

HA12-134G (12V134Ah)



Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	134Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 39.0 Kg (Tolerance±3.0%)
Internal Resistance	Approx. 6.5 mΩ
Terminal	F12(M8)/F5 (M8)
Max. Discharge Current	1340A (5 sec)
Design Life	15 years (floating charge)
Max. Charging Current	26.8 A C3 91.5AH
Reference Capacity	C5 103.0AH C10 118.0AH C20 134.0AH
Float Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.2 V~14.4 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: -20°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C±5°C RITAR Valve Regulated Lead Acid (VRLA) batteries can
Self Discharge	be stored for up to 6 months at 25°C, and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 20°C. 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

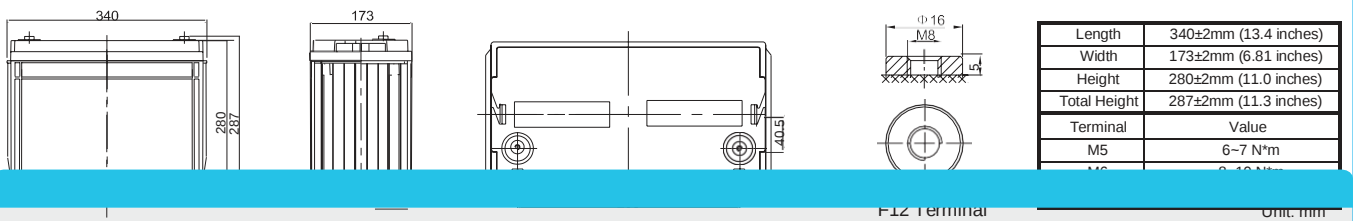
environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery

capability after deep discharge under frequent cyclic discharge use, and it can

offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



Dimensions



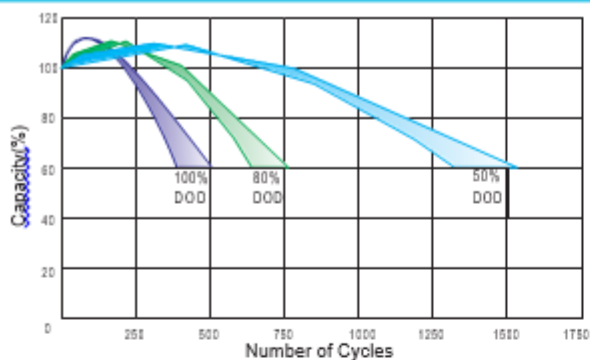
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	219.4	177.9	116.7	72.8	44.5	33.3	26.6	22.3	15.1	12.4	6.97
1.65V	207.3	170.1	112.1	70.3	43.0	32.3	25.9	21.7	14.9	12.3	6.86
1.70V	190.9	159.3	107.1	68.0	41.6	31.4	25.2	21.2	14.7	12.1	6.78
1.75V	174.7	148.3	102.4	65.5	40.2	30.5	24.5	20.6	14.5	11.9	6.70
Constant Power Discharge Characteristics : WPG(25°C)	158.9	130.9	99.9	63.0	38.7	29.5	23.8	20.1	14.2	11.8	6.63
1.80V	158.9	130.9	99.9	63.0	38.7	29.5	23.8	20.1	14.2	11.8	6.63
1.85V	129.2	113.6	84.3	56.5	35.5	27.3	22.1	18.7	13.4	11.1	6.30

					2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	423.8	353.4	241.0	155.4	95.8	72.3	58.0	48.9	33.5	27.8	15.6
1.65V	403.2	339.7	233.3	151.2	93.2	70.6	56.7	47.8	33.1	27.4	15.4
1.70V	382.7	326.0	225.7	146.9	90.6	68.8	55.3	46.7	32.7	27.1	15.2
1.75V	356.6	307.8	217.9	142.4	87.8	67.0	54.1	45.7	32.3	26.8	15.0
(Note) The above characteristics data are average values obtained within three charge/discharge cycles not the minimum values.											
The battery must be fully charged before capacity test. For 20s output at 95% after the first cycle and 200% after the third cycle.											
1.80V	328.4	288.2	210.4	137.8	85.1	65.2	52.8	44.7	31.9	26.5	14.9
1.85V	273.2	242.5	183.0	124.3	78.4	60.6	49.2	41.8	30.0	25.0	14.2

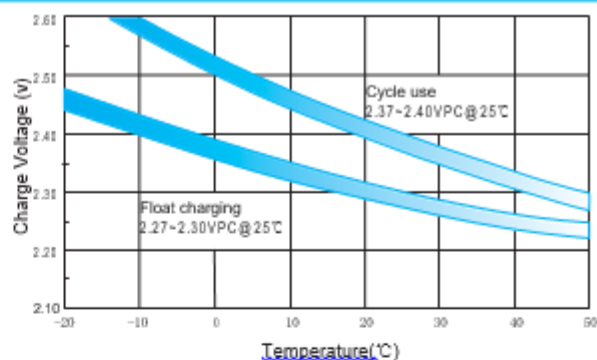
HA12-134G

HEYCAR

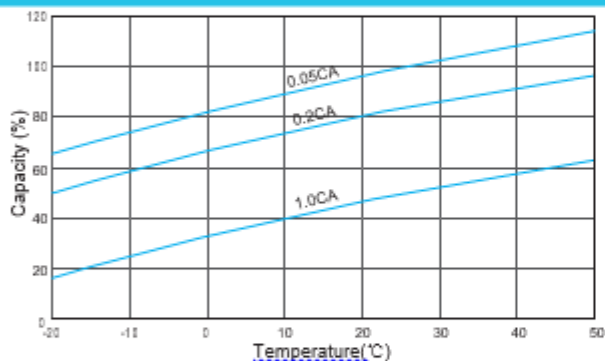
Cycle Life in Relation to Depth of Discharge



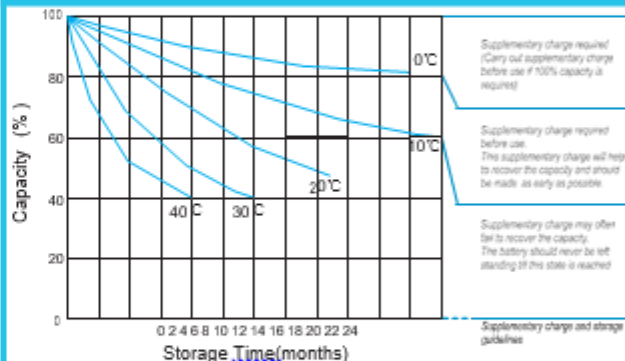
Relationship Between Charging Voltage and Temperature



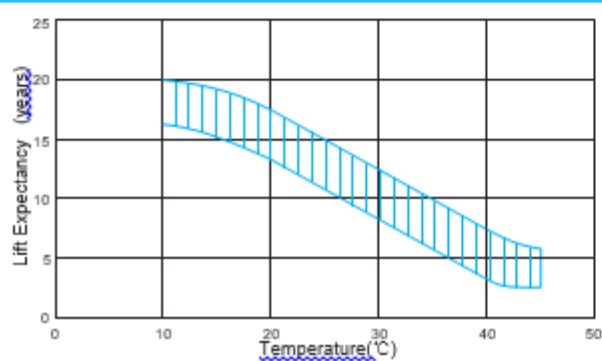
Temperature Effects on Capacity



Storage Characteristics



Effect of Temperature on Long Term Life



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

