REVOLEAD INDUSTRIAL BATTERY

AGM GENERAL PURPOSE SERIES *LGB*

LGB6-12

(6V - 12AH)

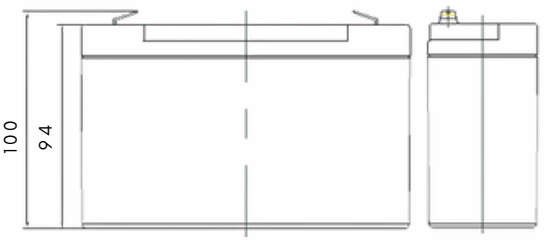
SPECIFICATIONS

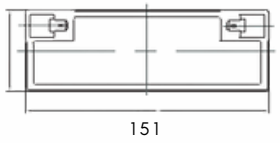
Cells per Unit	3
Voltage per Unit	6
Capacity	12Ah@20hr-rate to 1.75V per cell@25°C
Weight	Approx. 1.95Kg(Tolerance ± 3%)
Internal Resistance	Approx. 12.0 mΩ
Terminal	F1
Max. Discharge Current	120.0A (5sec)
Design Life	5 years(floating charge)
Max. Charging Current	3.6A
Reference Capacity	C3 9.29AH C5 10.5AH C10 11.2AH C20 12.0AH
Float Charging Voltage	6.85V≃6.94V @25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	7.30V≃7.40V @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 is recommended. Monthly Self - discharge ratio is less than 3% at 25°C. Please charge batteries before using
Container Material	A.B.S. UL94-HB, UL94-V0 Optional

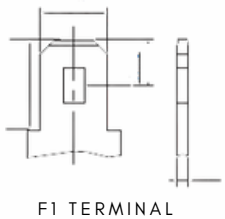
LGB Lead General Batteries
AGM GENERAL PURPOSE SERIES

LGB series is a general purpose battery with 5 -10 years design life in float service. It meets with IEC, JIS, BS, GB/T and YD/T standards. With advanced AGM valve regulated technology and high purity raw material, the LGB series battery maintains high consistency for better performance and reliable standby service life. It is suitable for UPS/EPS, medical equipment, emergency light and security system applications.

DIMENSIONS







Lenght	151mm
Width	51mm
Height	94mm
Total Height	100mm
Terminal	Value
M5	6-7 N°m
M6	8-10 N°m
M8	10-12 N°m

CONSTANT CURRENT DISCHARGE CHARACTERISTICS A(25°C)

F.V/Time	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	8Hr	10Hr	20Hr
1.60V	23.03	13.23	7.33	4.5	3.84	2.73	2.26	1.46	1.18	0.63
1.65V	22.02	12.7	7.08	4.36	3.28	2.66	2.21	1.44	1.17	0.62
1.70V	20.62	12.14	6.85	4.21	3.19	2.59	2.15	1.42	1.15	0.61
1.75V	19.19	11.6	6.6	4.07	3.1	2.52	2.09	1.4	1.14	0.6
1.80V	17.72	11.09	6.35	3.92	2.99	2.45	2.04	1.38	1.12	0.59
1.85V	14.7	9.55	5.69	3.59	2.77	2.28	1.9	1.29	1.06	0.56

CONSTANT POWER DISCHARGE CHARACTERISTICS WPC(25°C)

F.V/Time	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	8Hr	10Hr	20Hr
1.60V	40.26	24.02	13.78	8.53	6.46	5.25	4.36	2.85	2.33	1.23
1.65V	39.06	23.31	13.38	8.3	6.29	5.12	4.27	2.82	2.3	1.21
1.70V	37.13	22.5	13.03	8.07	6.15	5.0	4.17	2.78	2.27	1.2
1.75V	35.05	21.73	12.63	7.83	5.99	4.89	4.08	2.75	2.24	1.19
1.80V	32.82	20.98	12.21	7.58	5.83	4.77	3.99	2.71	2.22	1.18
1.85V	27.63	18.24	11.02	6.99	5.41	4.45	3.73	2.55	2.09	1.12

(Note)The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.
The battery must be fully charged before the capacity test. The C 20 should reach 95% after the first cycle and 100% after the third cycle.

CE

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IBS ITALIA

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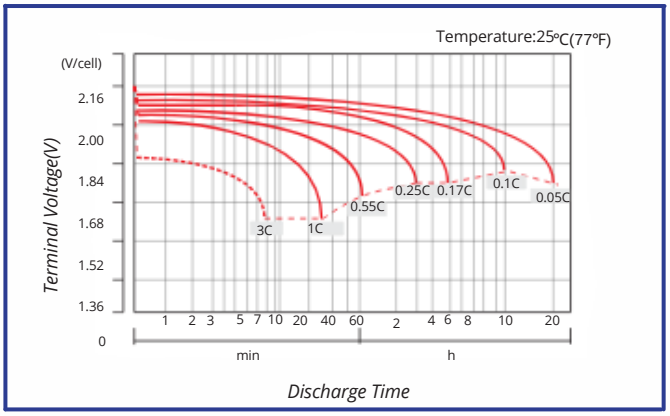
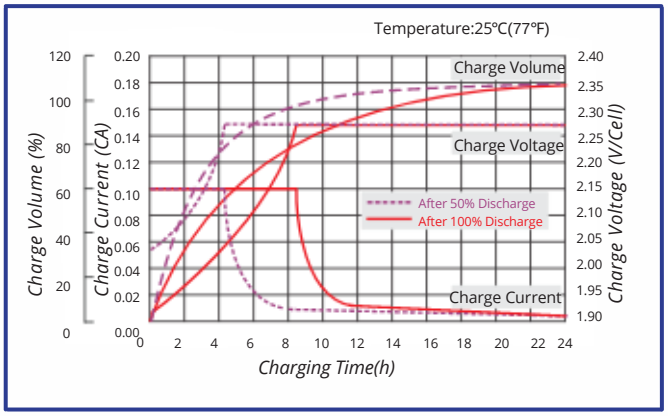
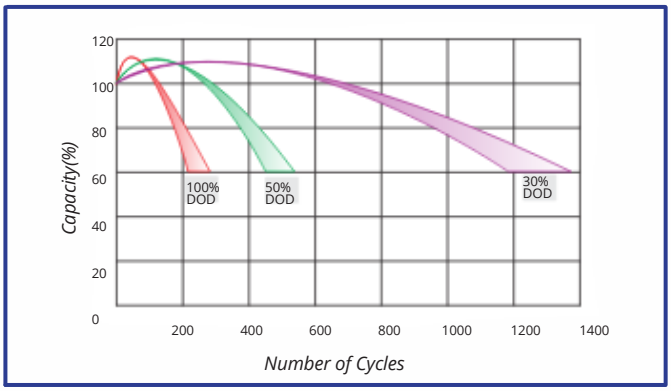
DISCHARGE CHARACTERISTICS CURVE



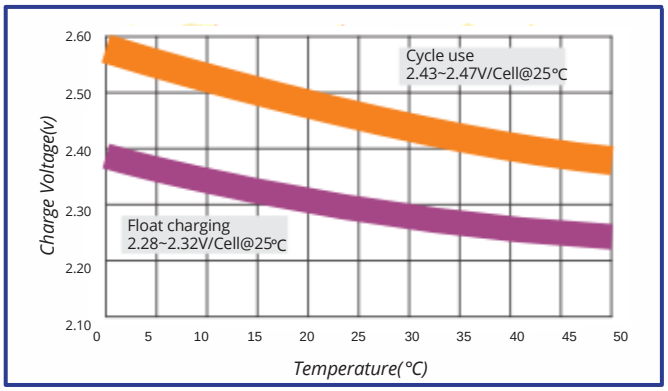
CHARGE CHARACTERISTICS CURVE FOR STANDBY USE



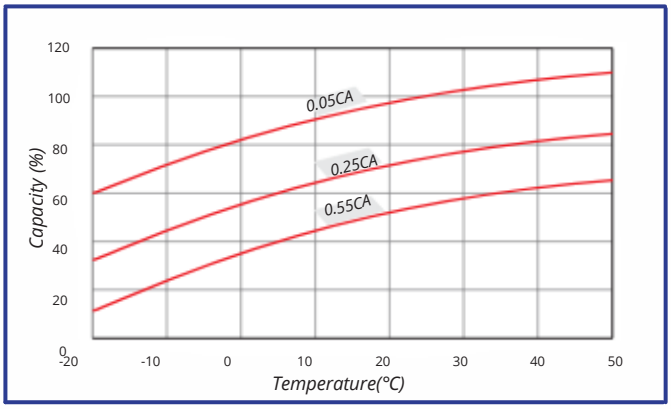
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



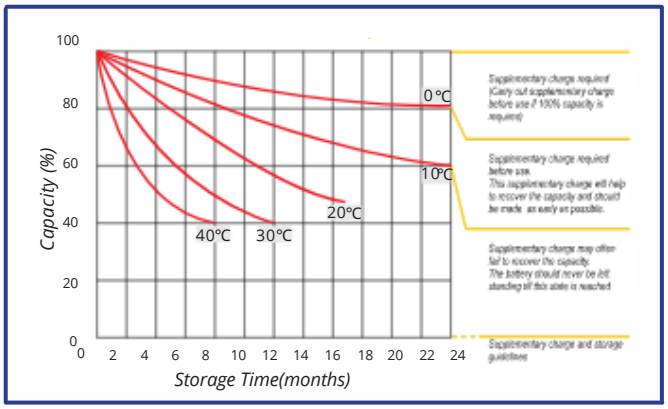
RELATIONSHIP BETWEEN CHARGING VOLT. & TEMPER.



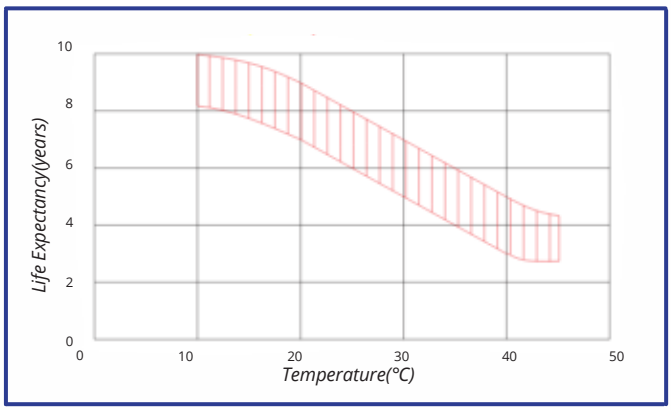
TEMPERATURE EFFECTS ON CAPACITY



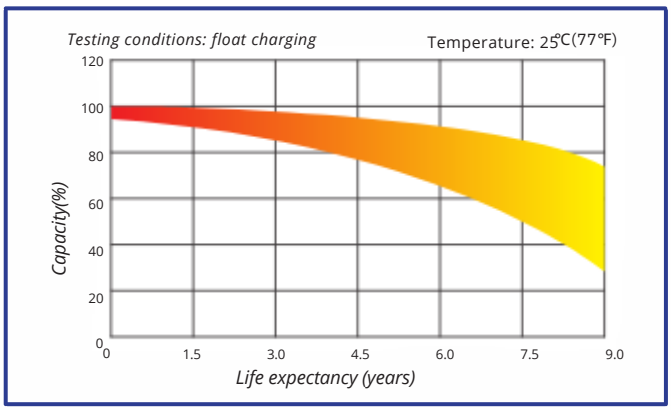
STORAGE CHARACTERISTICS



EFFECT OF TEMPERATURE ON LONG TERM LIFE



LIFE CHARACTERISTICS OF STANDBY USE



(Note)All of the above information could be changed without prior notice.
IBS Italia reserves the right to explain and update the latest information.

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