

**SPECIFICATIONS**

Cells per Unit	3
Voltage per Unit	6
Capacity	7Ah@20hr-rate to 1.75V per cell@25°C
Weight	Approx. 1.15Kg(Tolerance ± 3%)
Internal Resistance	Approx. 15.0 mΩ
Terminal	F1
Max. Discharge Current	70.0A (5sec)
Design Life	5 years(floating charge)
Max. Charging Current	2.1A
Reference Capacity	C3 5.42AH C5 6.11AH C10 6.54AH C20 7.0AH
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**

Length	151mm
Width	34mm
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	13.57	7.79	4.28	2.63	1.97	1.59	1.32	0.85	0.69	0.37
1.65V	12.97	7.48	4.13	2.54	1.91	1.55	1.29	0.84	0.68	0.36
1.70V	12.15	7.15	3.99	2.46	1.86	1.51	1.25	0.83	0.67	0.35
1.75V	11.31	6.84	3.85	2.37	1.81	1.47	1.22	0.82	0.66	0.34
1.80V	10.44	6.53	3.7	2.29	1.75	1.43	1.19	0.8	0.65	0.33
1.85V	8.66	5.63	3.32	2.1	1.62	1.33	1.11	0.75	0.62	0.32

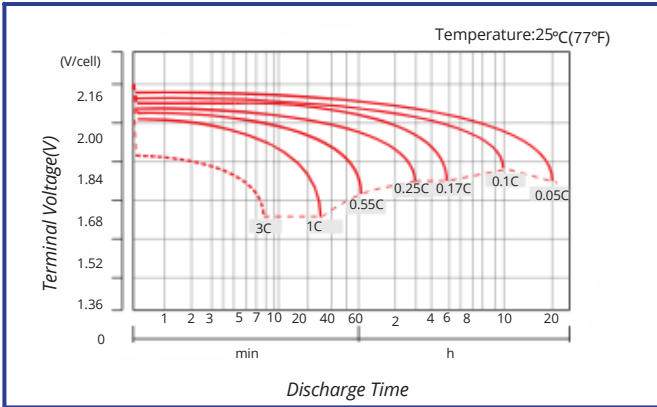
**CONSTANT POWER DISCHARGE CHARACTERISTICS WPC(25°C)**

F.V/Time	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	8Hr	10Hr	20Hr
1.60V	23.72	14.15	8.04	4.98	3.77	3.06	2.55	1.66	1.36	0.72
1.65V	23.01	13.73	7.81	4.84	3.67	2.99	2.49	1.65	1.34	0.71
1.70V	21.88	13.26	7.6	4.71	3.59	2.92	2.43	1.62	1.32	0.7
1.75V	20.65	12.8	7.37	4.56	3.49	2.85	2.38	1.6	1.31	0.69
1.80V	19.34	12.36	7.13	4.42	3.4	2.78	2.33	1.58	1.29	0.68
1.85V	16.28	10.75	6.43	4.08	3.16	2.6	2.18	1.49	1.22	0.65

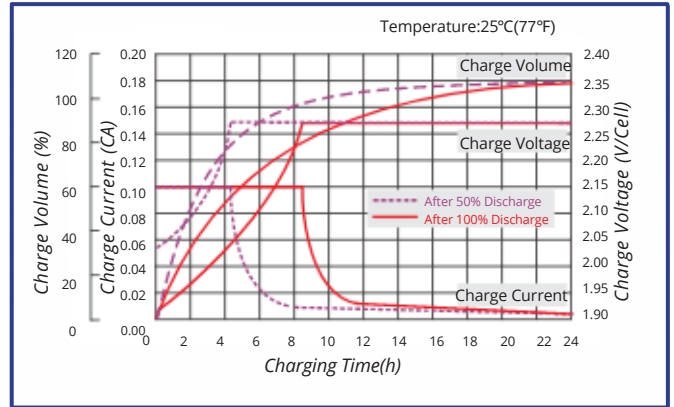
(Note)The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values. The battery must be fully charged before the capacity test. The C 20 should reach 95% after the first cycle and 100% after the third cycle.



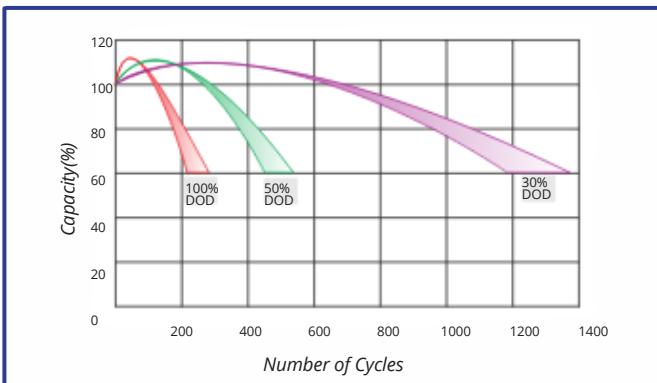
**DISCHARGE CHARACTERISTICS CURVE**



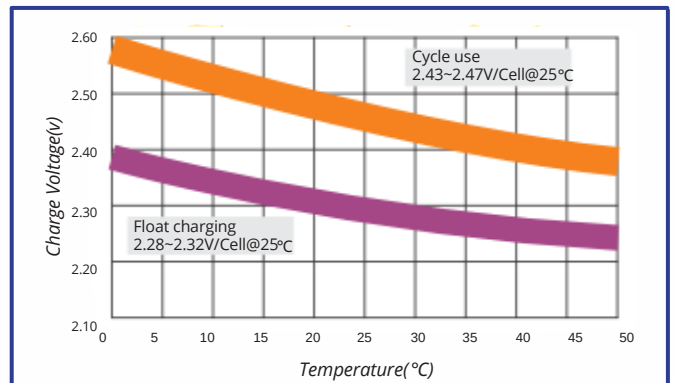
**CHARGE CHARACTERISTICS CURVE FOR STANDBY USE**



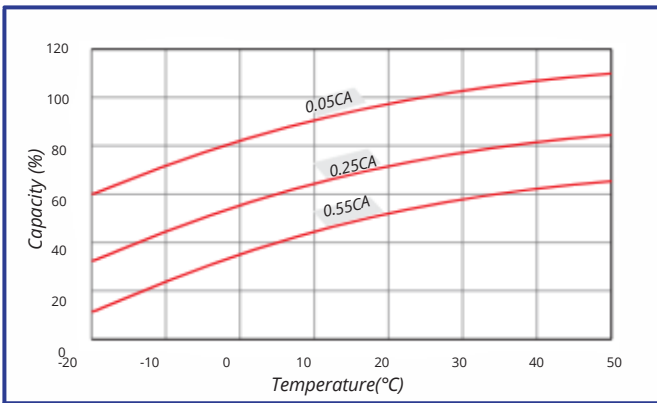
**CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE**



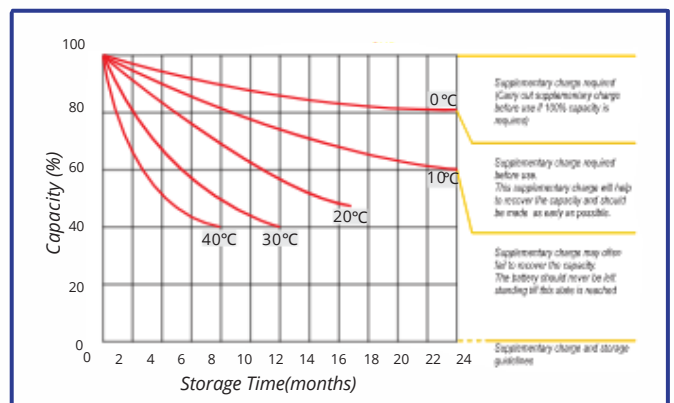
**RELATIONSHIP BETWEEN CHARGING VOLT. & TEMPER.**



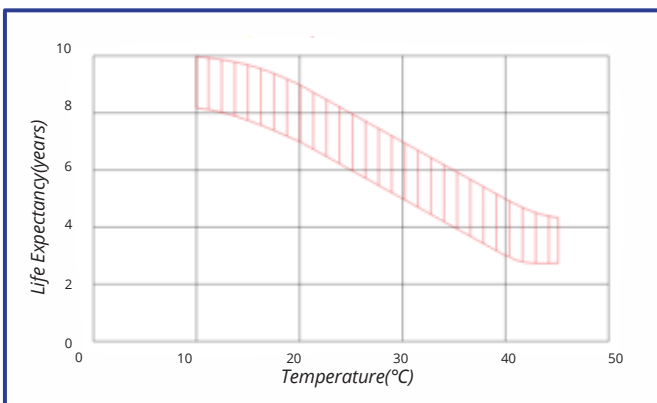
**TEMPERATURE EFFECTS ON CAPACITY**



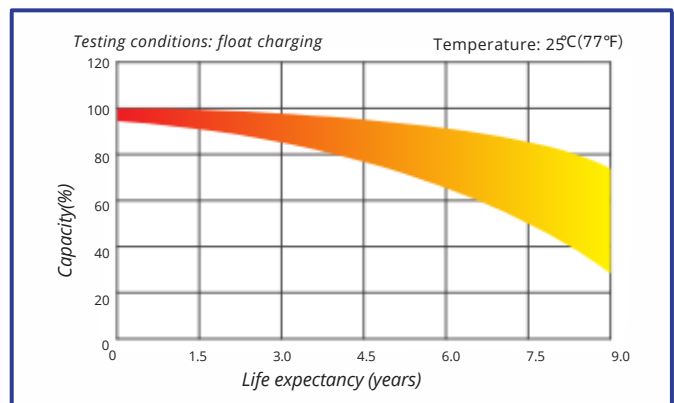
**STORAGE CHARACTERISTICS**



**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.

