

**SPECIFICATIONS**

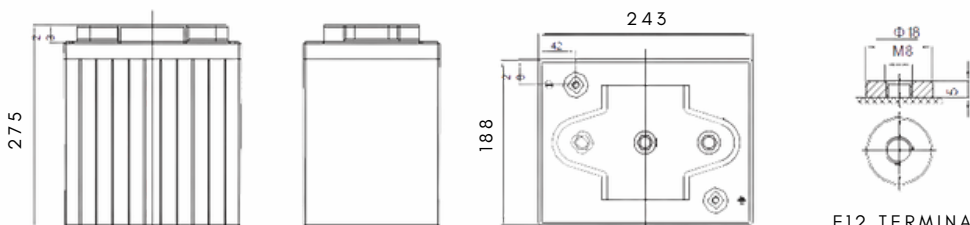
Cells per Unit	3
Voltage per Unit	6
Capacity	240Ah@20hr-rate to 1.75V per cell@25°C
Weight	Approx. 32.0 Kg(Tolerance ± 3%)
Internal Resistance	Approx. ≤1.9 mΩ
Terminal	F12/M8
Max. Discharge Current	2250A (5sec)
Design Life	12 years(floating charge)
Max. Charging Current	67.5A
Reference Capacity	C3 162.0AH C5 200.0AH C10 212.0AH C20 240.0AH
Float Charging Voltage	6.80V ≈ 6.90V @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

**LDC** Lead Deep Cycle  
AGM DEEP CYCLE SERIES



LDC series is specially designed for frequent discharge deep cycle application. By using the specially designed active material, strong grids and thick plate construction, the LDC series battery offers reliable performance in high load situations and could provide competitive cycle performance. It is suitable for Electric Vehicles and Golf Carts, Floor Machines, Forklifts, Aerial lifts, Robotics, Marine, RV, Mobility and Medical Equipment, and most outdoor application.

**DIMENSIONS**



Length	243mm
Width	188mm
Height	275mm
Total Height	275mm
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	386.60	240.10	136.70	81.38	63.39	49.73	42.30	27.13	22.50	11.66
1.65V	361.60	227.50	132.00	78.65	61.44	48.24	40.97	26.92	22.29	11.60
1.70V	340.00	215.70	127.80	76.56	58.85	46.75	39.86	26.49	21.86	11.45
1.75V	318.50	207.20	123.80	73.62	57.33	45.48	38.75	26.06	21.64	11.25
1.80V	291.60	199.50	118.30	71.10	56.25	44.41	38.25	25.63	21.43	11.14
1.85V	241.30	169.20	105.60	65.02	52.36	41.65	35.21	24.14	20.14	11.04

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

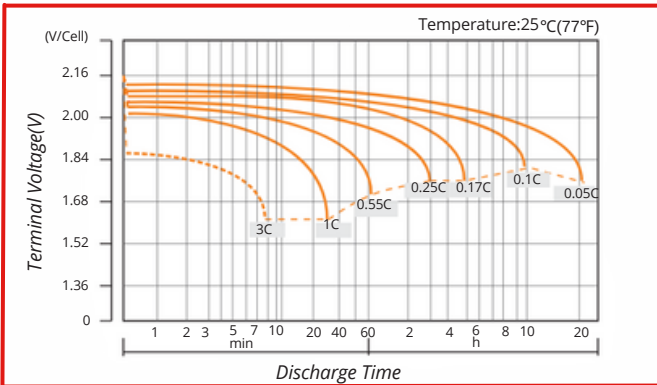
F.V/Time	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	8Hr	10Hr	20Hr
1.60V	674.40	436.40	256.50	153.90	120.40	95.84	80.06	52.87	44.13	23.28
1.65V	655.70	426.20	252.20	149.70	117.40	93.50	77.90	52.45	43.70	23.07
1.70V	620.70	405.60	244.80	146.00	112.90	90.53	75.95	51.81	42.85	22.86
1.75V	585.80	391.40	238.00	146.80	110.10	88.40	74.22	50.97	42.43	22.45
1.80V	541.60	378.80	228.30	137.60	109.50	86.70	73.22	50.12	42.00	22.24
1.85V	455.00	234.90	205.00	126.70	102.10	81.60	67.73	47.37	39.67	22.03

(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 C20 should reach 95% after the first cycle and 100% after the third cycle.

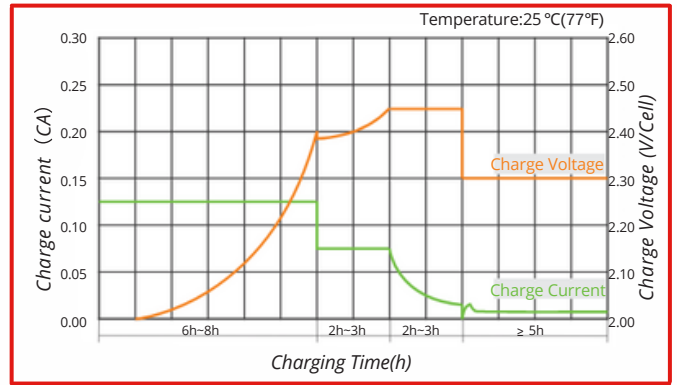


**AGM DEEP CYCLE SERIES LDC**

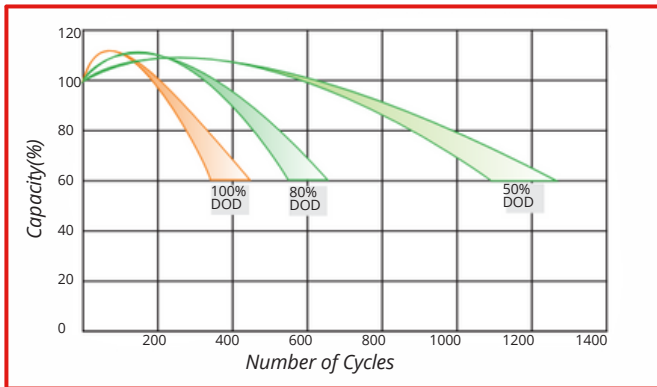
**DISCHARGE CHARACTERISTICS CURVE**



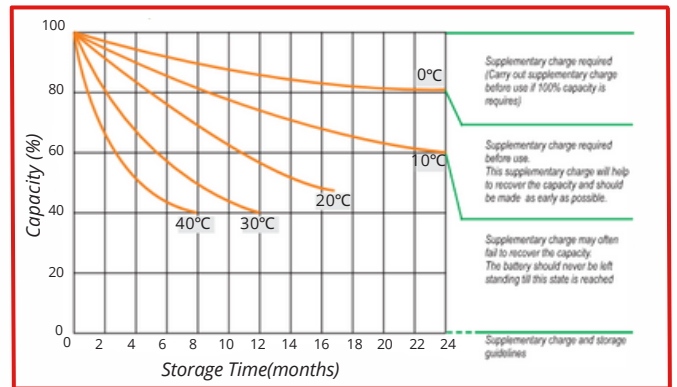
**CHARGE CHARACTERISTICS CURVE FOR CYCLE USE**



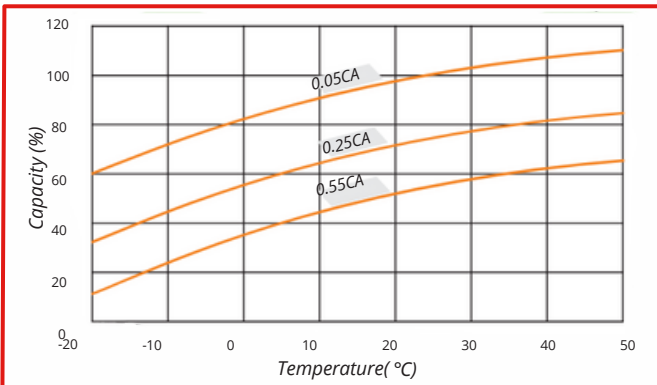
**CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE**



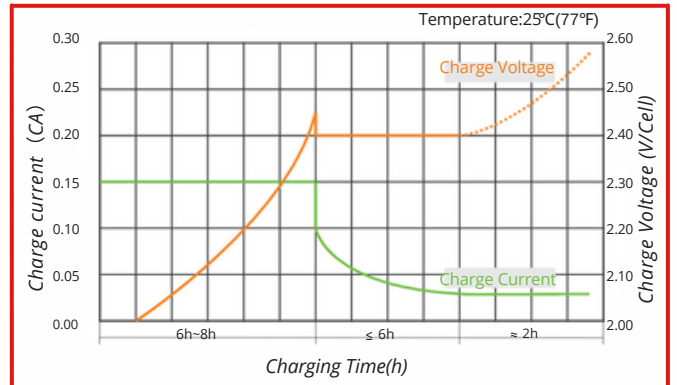
**TEMPERATURE EFFECT ON BATTERY SELF-DISCHARGE**



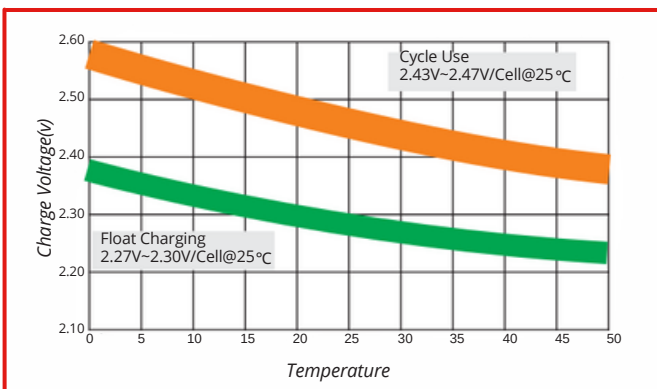
**TEMPERATURE EFFECTS ON CAPACITY**



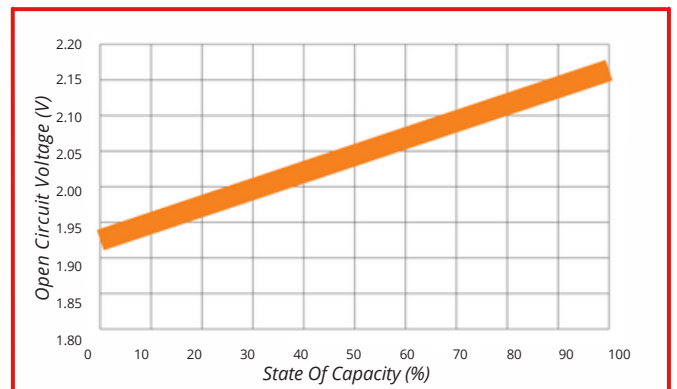
**CHARGE CHARACTERISTIC CURVE FOR CYCLE USE**



**RELATIONSHIP BETWEEN CHARGING VOLT. AND TEMP.**



**RELATIONSHIP OF OCV AND STATE OF CHARGE**



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

