

SPECIFICATIONS

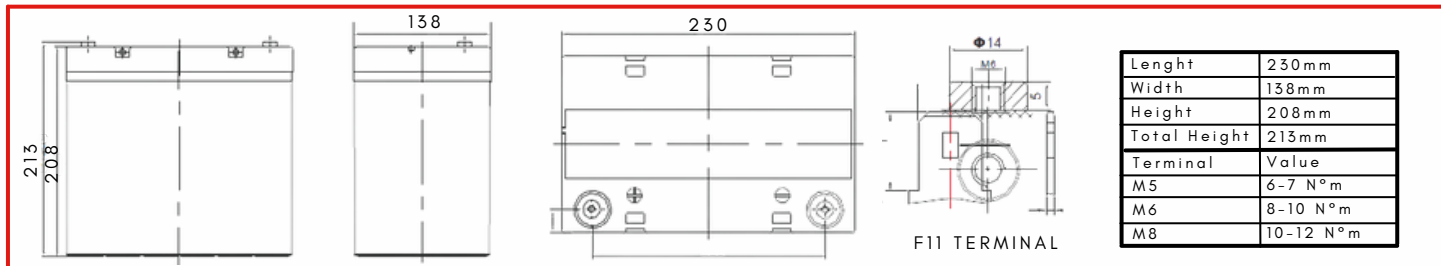
Cells per Unit	6
Voltage per Unit	12
Capacity	55Ah@20hr-rate to 1.75V per cell@25°C
Weight	Approx.17Kg(Tolerance ± 3%)
Internal Resistance	Approx. ≤7.0 mΩ
Terminal	F11/M6
Max. Discharge Current	550A (5sec)
Design Life	12 years(floating charge)
Max. Charging Current	16.5A
Reference Capacity	C3 39.0AH C5 44.0AH C10 53.0AH C20 55.0AH
Float Charging Voltage	13.6V≈13.8V @25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.6V≈14.8V @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



CONSTANT CURRENT DISCHARGE CHARACTERISTICS A(25°C)

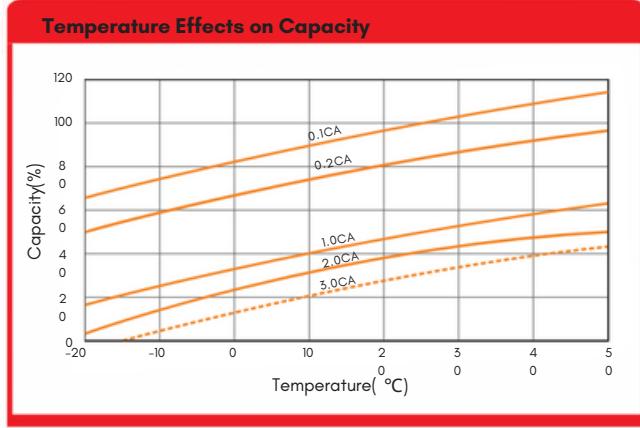
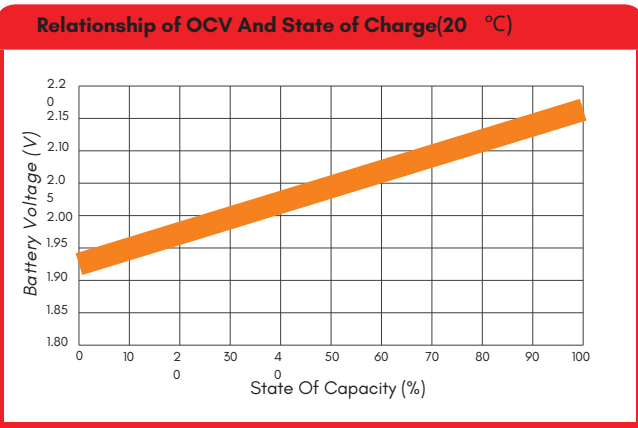
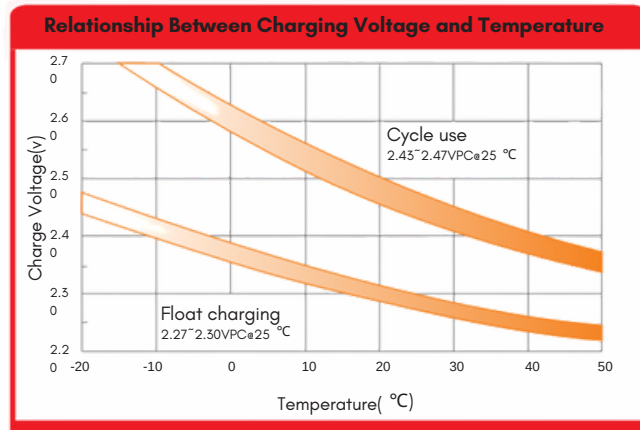
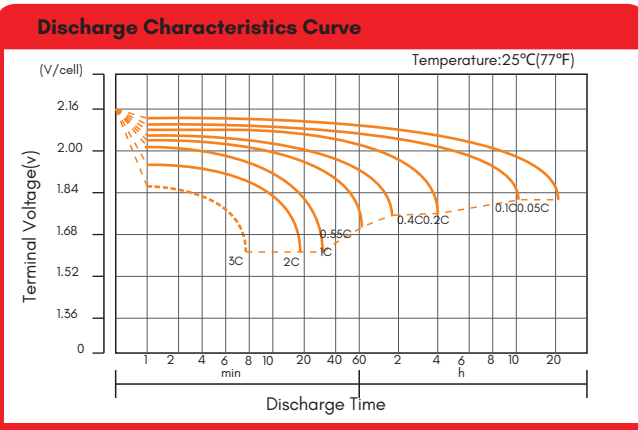
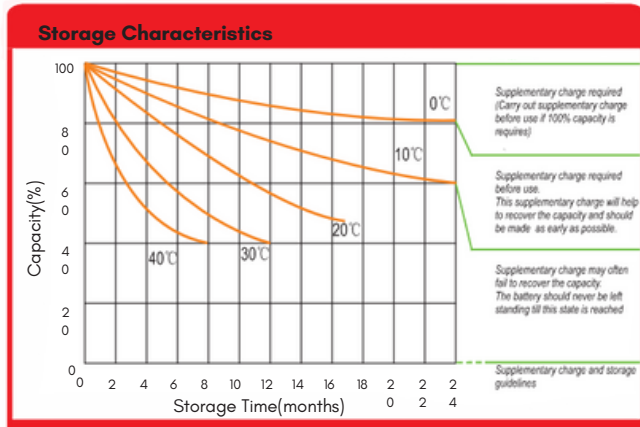
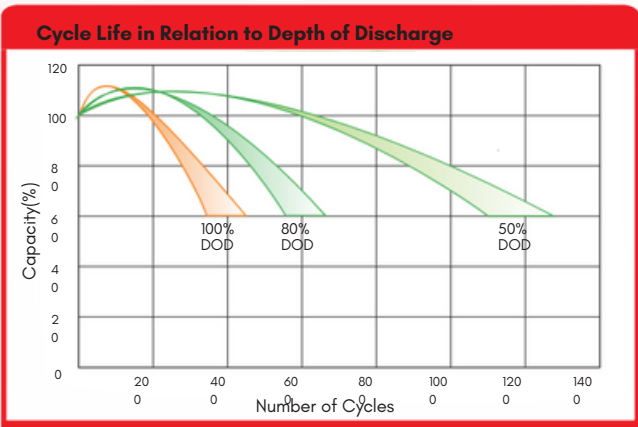
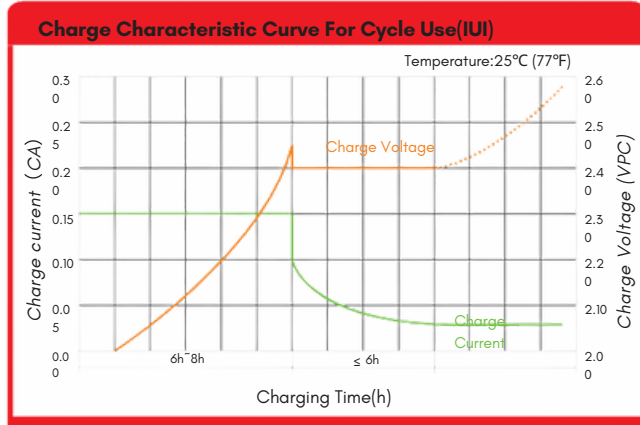
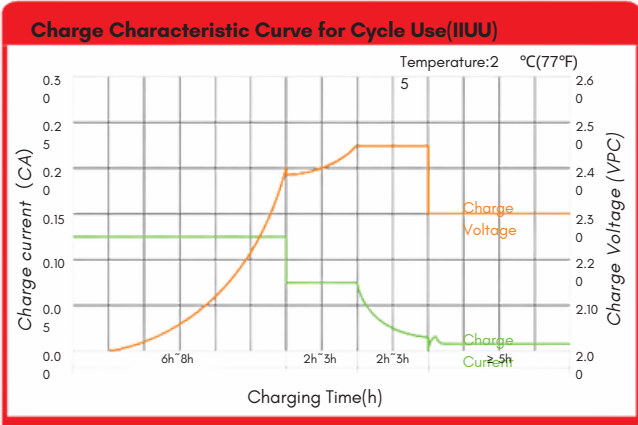
F.V/Time	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	8Hr	10Hr	20Hr
1.60V	105.0	61.43	33.94	20.04	15.53	12.2	10.39	6.98	5.8	3.04
1.65V	100.4	58.98	32.78	19.4	15.05	11.87	10.12	6.9	5.73	2.99
1.70V	94.1	56.37	31.71	18.76	14.64	11.55	9.85	6.8	5.65	2.95
1.75V	87.52	53.88	30.55	18.11	14.2	11.26	9.61	6.7	5.57	2.91
1.80V	80.81	51.50	29.38	17.46	13.76	10.93	9.36	6.59	5.5	2.89
1.85V	67.06	44.36	26.35	16.0	12.72	10.16	8.73	6.18	5.18	2.74

CONSTANT POWER DISCHARGE CHARACTERISTICS WPC(25°C)

F.V/Time	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	8Hr	10Hr	20Hr
1.60V	183.6	111.6	63.8	38.0	29.7	23.4	20.0	13.6	11.4	5.98
1.65V	178.1	108.2	61.9	37.0	28.9	22.9	19.6	13.5	11.3	5.89
1.70V	169.3	104.5	60.3	35.9	28.2	22.3	19.1	13.3	11.1	5.83
1.75V	159.9	100.9	58.5	34.8	27.5	21.9	18.7	13.2	11.0	5.76
1.80V	149.7	97.4	56.5	33.8	26.7	21.3	18.3	13.0	10.9	5.71
1.85V	126.0	84.7	51.0	31.1	24.8	19.9	17.1	12.2	10.2	5.43

(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.





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

