

Specification

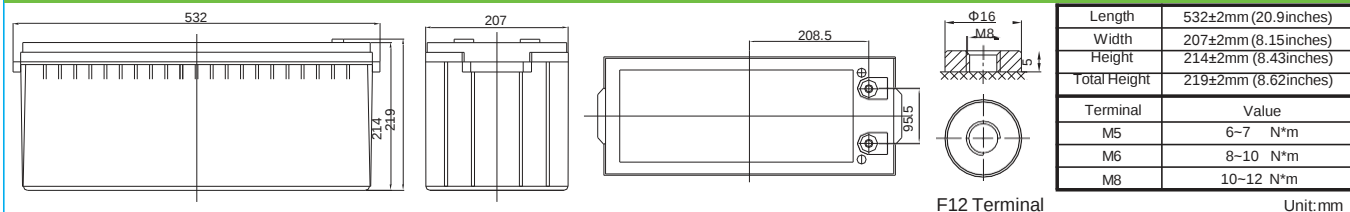
Cells Per Unit	6
Voltage Per Unit	12
Capacity	200Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 52.5 Kg (Tolerance±3.0%)
Internal Resistance	Approx. 4.2 m Ω
Terminal	F12(M8)
Max. Discharge Current	1800A (5 sec)
Design Life	12 years (floating charge)
Max. Charging Current	54.0A
Reference Capacity	C3 145.6AH C5 173.0AH C10 189.4AH C20 200.0AH
Float Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.6 V~14.8 V @ 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 charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



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 Vehicle and Golf cart, Floor Machines, Forklifts, Aerial lifts, Robotics, Marine, RV, Mobility and Medical Equipment, and most outdoor application.



Dimensions



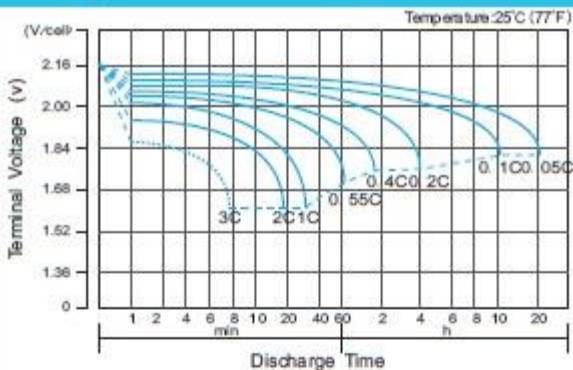
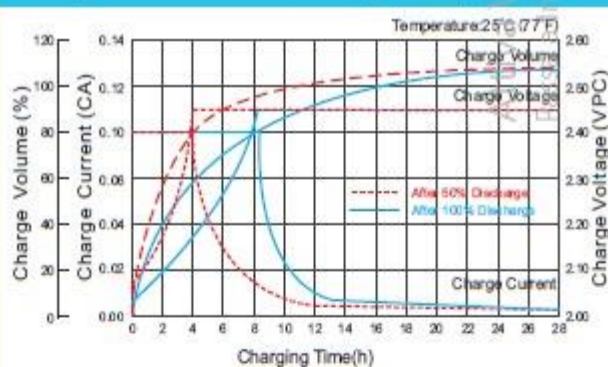
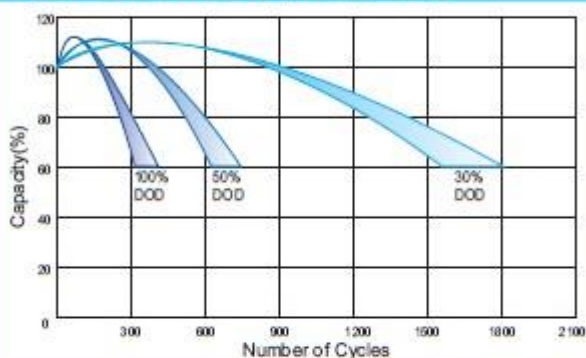
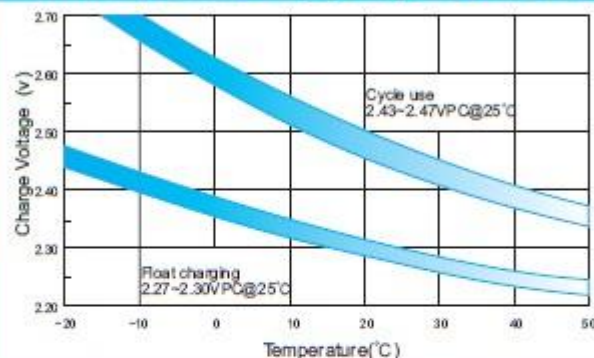
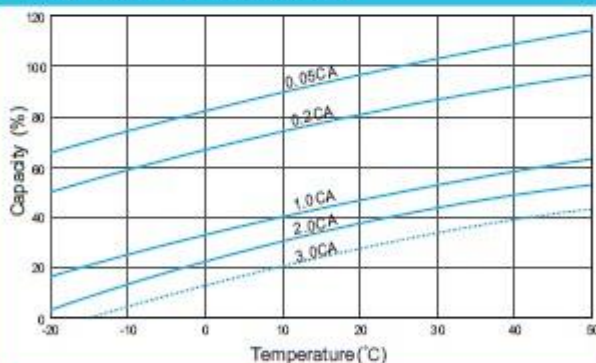
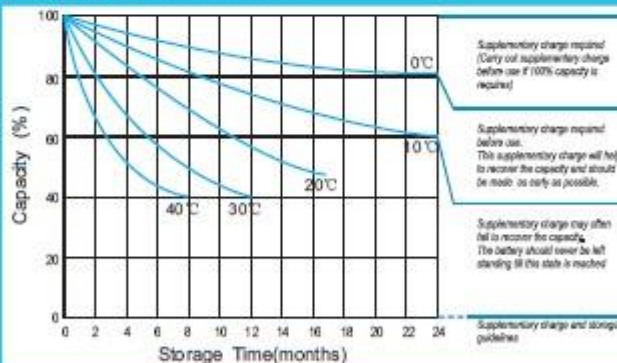
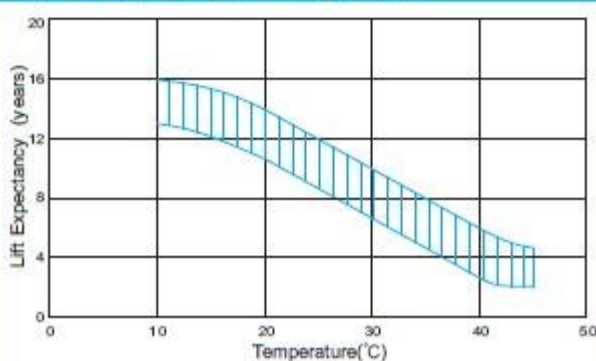
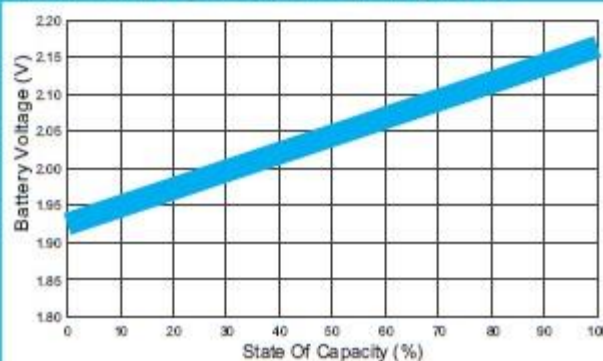
Constant Current Discharge Characteristics : A(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	393.4	315.6	194.1	109.3	65.11	50.71	39.78	33.84	21.70	18.00	9.329
1.65V	362.3	295.1	183.8	105.6	62.92	49.15	38.59	32.77	21.53	17.83	9.279
1.70V	335.8	277.6	174.3	102.2	61.25	47.08	37.40	31.89	21.19	17.49	9.162
1.75V	308.1	260.0	167.4	99.00	58.90	45.87	36.38	31.00	20.85	17.31	9.000
1.80V	280.4	238.1	161.2	94.60	56.88	45.00	35.53	30.60	20.51	17.14	8.913
1.85V	219.4	197.0	136.7	84.45	52.02	41.88	33.32	28.17	19.31	16.11	8.830

Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	669.8	550.5	352.6	205.2	123.1	96.30	76.67	64.05	42.30	35.30	18.62
1.65V	645.0	535.3	344.4	201.7	119.8	93.90	74.80	62.32	41.96	34.96	18.46
1.70V	601.9	506.7	327.8	195.8	116.8	90.30	72.42	60.76	41.45	34.28	18.29
1.75V	560.1	478.2	316.3	190.4	112.6	88.07	70.72	59.38	40.77	33.94	17.96
1.80V	516.1	442.1	306.1	182.6	110.1	87.58	69.36	58.58	40.10	33.60	17.79
1.85V	409.4	371.4	262.5	164.0	101.3	81.69	65.28	54.18	37.90	31.74	17.63

(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.

Discharge Characteristics Curve

Charge Characteristic Curve for Cycle Use(IU)

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)


(Note) All above information shall be changed without prior notice, IBS ITALIA reserves the right to explain and update the latest information.