



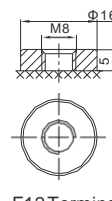
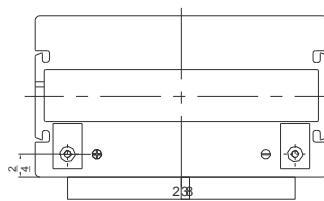
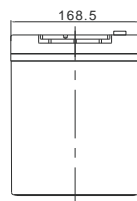
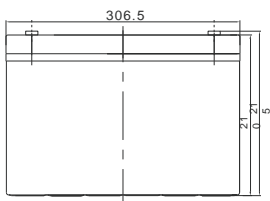
LDC series is specially designed for frequent discharge deep cycle application. By using the specially designed active material, strong grids and thick plate construction, the LDC series battery offers reliable performance in high load situations and could provide competitive cycle performance. It is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



Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	100Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 30.0 Kg (Tolerance±3.0%)
Internal Resistance	Approx. 5.5 mΩ
Terminal	F15(M6)/F12(M8)
Max. Discharge Current	1000A (5 sec)
Cold Cranking Ampere(CCA)	620A
Maxi. Charging Current	30.0A
Reference Capacity	C3 77.4AH C5 87.5AH C10 100.0AH C20 106.0AH
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.

Dimensions



Length	306.5±2mm (12.1 inches)
Width	168.5±2mm (6.63 inches)
Height	210±2mm (8.27 inches)
Total Height	215±2mm (8.46 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

F12 Terminal

Unit: mm

Constant Current Discharge Characteristics : A(25°C)

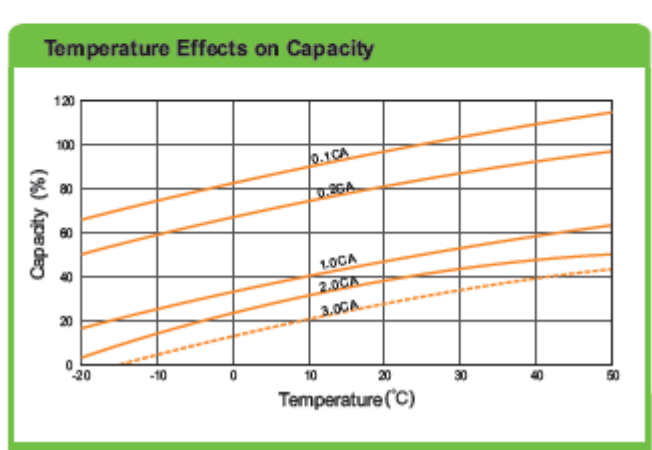
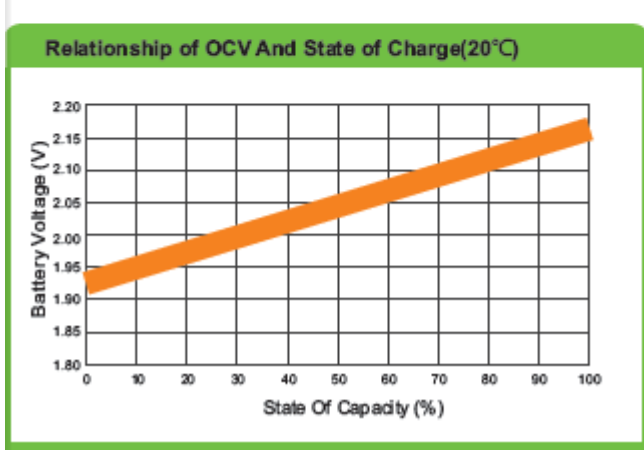
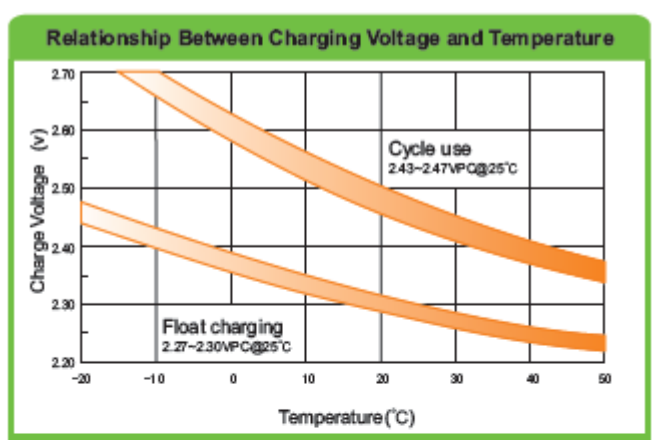
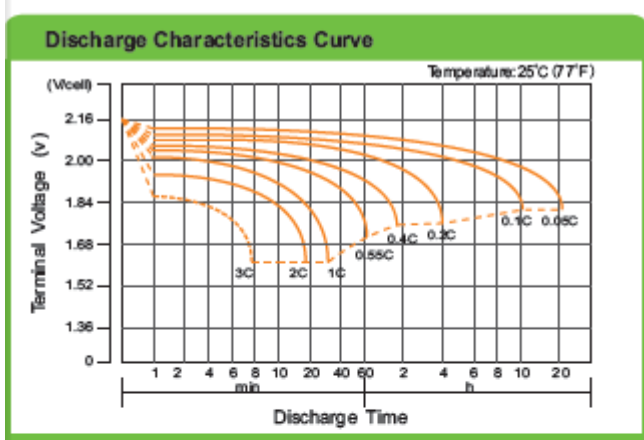
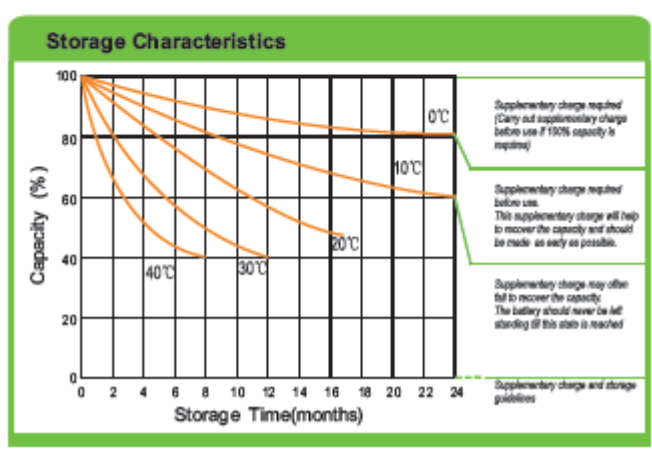
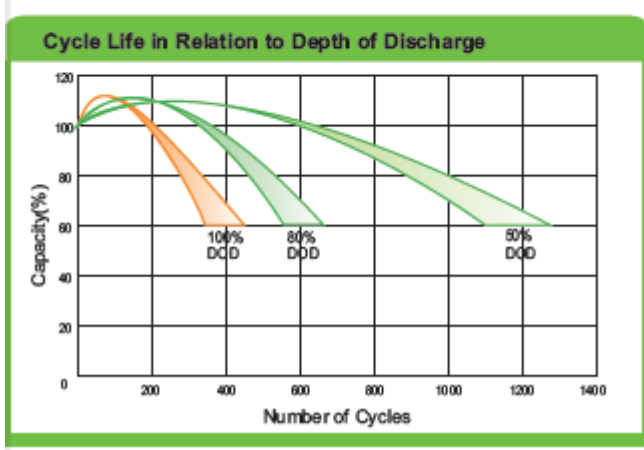
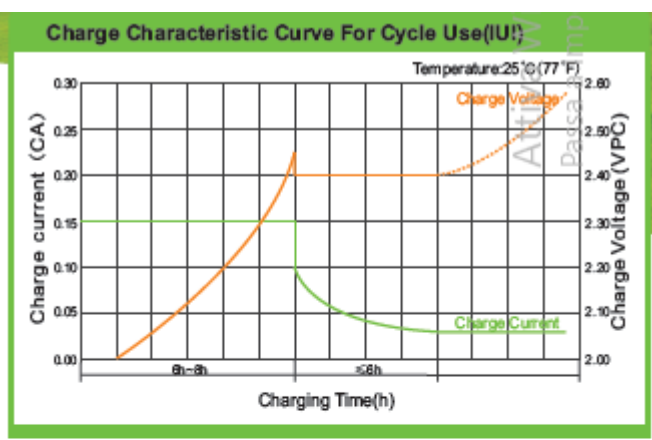
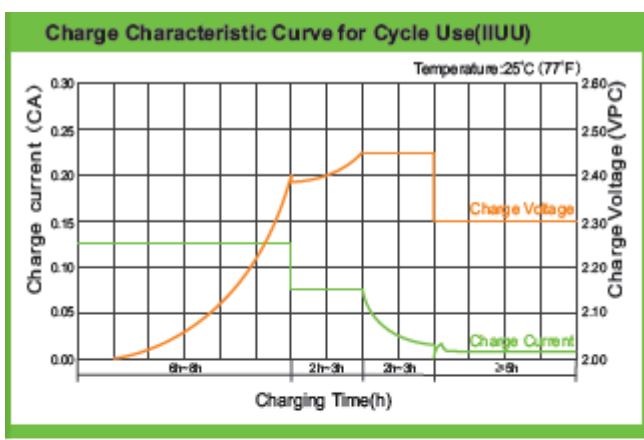
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	241.1	191.0	111.7	61.7	36.4	28.2	22.2	18.9	12.7	10.5	5.52
1.65V	227.9	182.6	107.2	59.6	35.3	27.4	21.6	18.4	12.5	10.4	5.43
1.70V	209.8	171.0	102.5	57.7	34.1	26.6	21.0	17.9	12.4	10.3	5.36
1.75V	192.0	159.1	98.0	55.5	32.9	25.8	20.5	17.5	12.2	10.1	5.30
1.80V	173.8	146.9	93.6	53.4	31.7	25.0	19.9	17.0	12.0	10.0	5.25
1.85V	142.1	121.9	80.6	47.9	29.1	23.1	18.5	15.9	11.2	9.41	4.98

Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	409.9	333.8	202.9	116.0	69.1	53.9	42.6	36.4	24.8	20.7	10.9
1.65V	394.8	323.9	196.8	112.6	67.2	52.5	41.6	35.6	24.6	20.5	10.7
1.70V	370.1	307.9	190.0	109.6	65.3	51.3	40.6	34.8	24.2	20.2	10.6
1.75V	344.9	290.7	183.5	106.3	63.3	50.0	39.7	34.0	23.9	20.0	10.5
1.80V	317.7	272.2	177.1	102.8	61.4	48.6	38.7	33.3	23.6	19.8	10.4
1.85V	264.2	229.1	154.1	92.8	56.5	45.1	36.1	31.1	22.2	18.6	9.87

(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 C₁₀ should reach 95% after the first cycle and 100% after the third cycle.



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