



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.

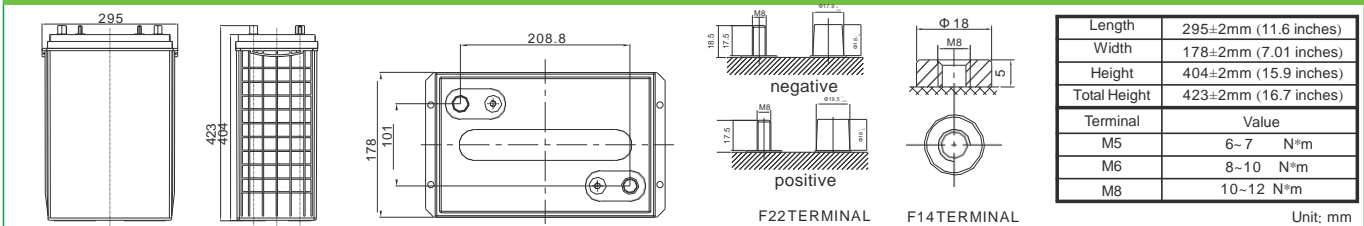


G4M20206-0910-E-16

## Specification

<b>Cells Per Unit</b>	3
<b>Voltage Per Unit</b>	6
<b>Capacity</b>	400Ah@10hr-rate to 1.80V per cell @25°C
<b>Weight</b>	Approx. 57.0 Kg (Tolerance±3.0%)
<b>Internal Resistance</b>	Approx. 1.1 m Ω
<b>Terminal</b>	F14(M8)/F22(M8)
<b>Max. Discharge Current</b>	4000A (5 sec)
<b>Cold Cranking Ampere(CCA)</b>	800A
<b>Maxi. Charging Current</b>	120.0A
<b>Reference Capacity</b>	C3 309.9AH C5 349.5AH C10 400.0AH C20 424.0AH
<b>Float Charging Voltage</b>	6.8 V~6.9 V @ 25°C Temperature Compensation: -3mV/°C/Cell
<b>Cycle Use Voltage</b>	7.3 V~7.4 V @ 25°C Temperature Compensation: -4mV/°C/Cell
<b>Operating Temperature Range</b>	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
<b>Normal Operating Temperature Range</b>	25°C±5°C
<b>Self Discharge</b>	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.
<b>Container Material</b>	A.B.S. UL94-HB, UL94-V0 Optional.

## Dimensions



### Constant Current Discharge Characteristics : A(25°C)

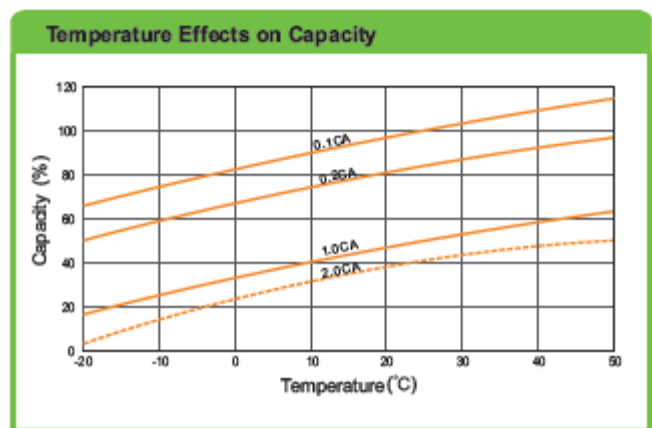
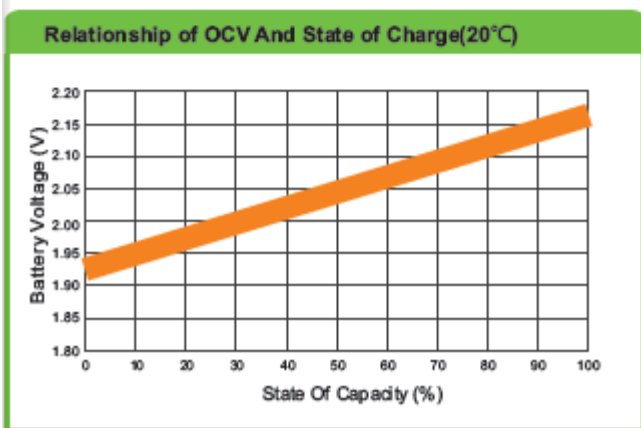
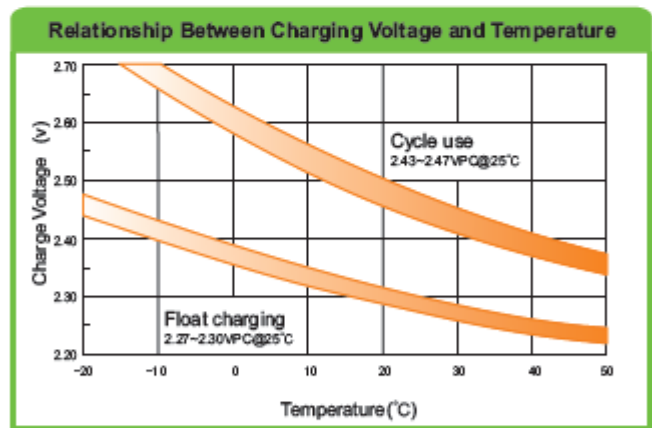
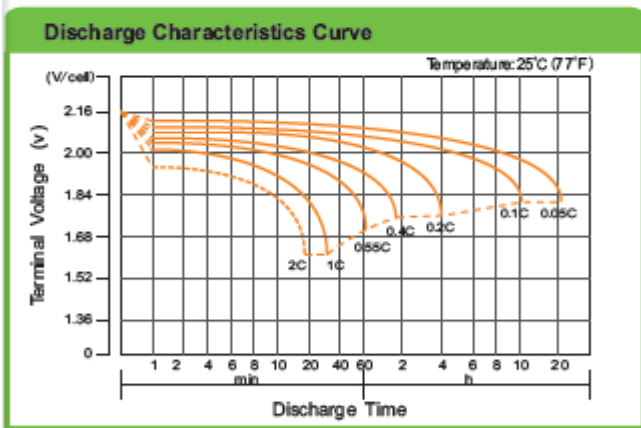
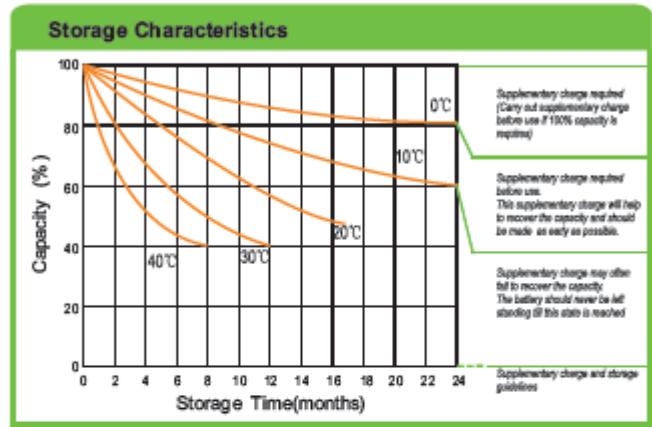
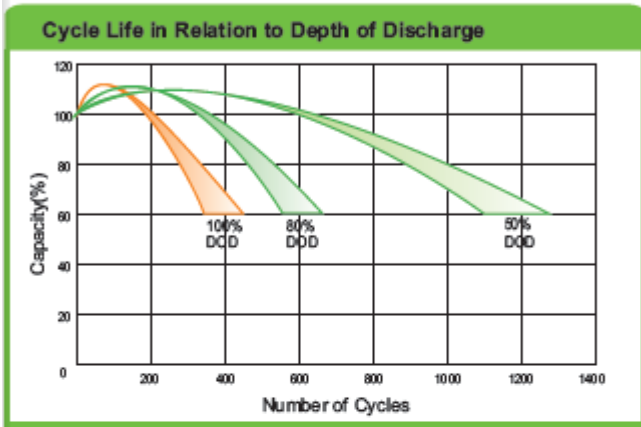
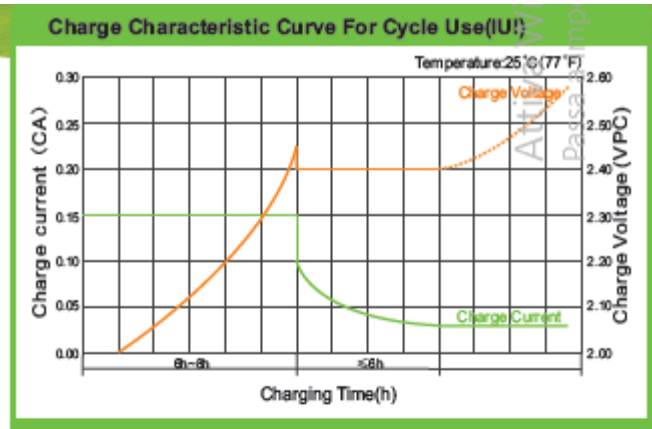
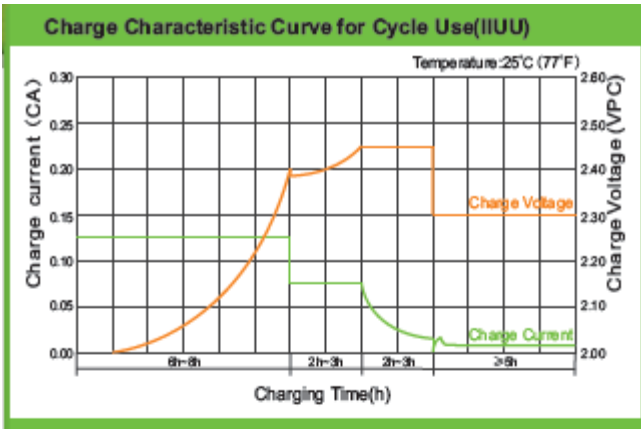
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	424.5	246.8	145.8	112.9	88.8	75.5	50.8	42.2	22.1
1.65V	407.5	238.4	141.1	109.4	86.4	73.6	50.2	41.7	21.7
1.70V	389.5	230.6	136.5	106.5	84.0	71.7	49.4	41.1	21.5
1.75V	372.3	222.2	131.7	103.3	81.9	69.9	48.7	40.5	21.2
1.80V	355.8	213.7	127.0	100.1	79.5	68.1	47.9	40.0	21.0
1.85V	306.5	191.7	116.3	92.5	73.9	63.5	45.0	37.7	19.9

### Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	770.9	463.9	276.2	215.7	170.4	145.6	99.1	83.0	43.5
1.65V	747.9	450.5	268.7	209.9	166.4	142.4	98.2	82.1	42.8
1.70V	722.0	438.6	261.3	205.1	162.5	139.1	96.9	80.9	42.4
1.75V	697.2	425.1	253.4	199.8	158.9	136.1	95.8	80.0	41.9
1.80V	673.1	411.2	245.5	194.4	154.9	133.1	94.4	79.0	41.5
1.85V	585.5	371.1	226.2	180.5	144.6	124.5	88.8	74.5	39.5

(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<sub>10</sub> 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.