

## Specification

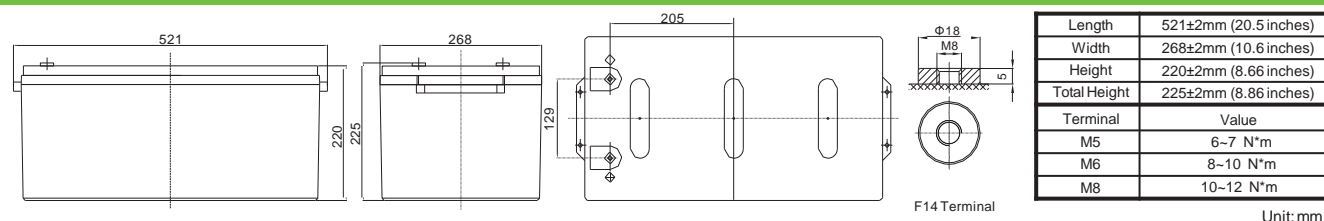
<b>Cells Per Unit</b>	6
<b>Voltage Per Unit</b>	12
<b>Capacity</b>	260Ah@20hr-rate to 1.75V per cell @25°C
<b>Weight</b>	Approx. 73.0 Kg (Tolerance±3.0%)
<b>Internal Resistance</b>	Approx. 2.6 m Ω
<b>Terminal</b>	F12(M8)
<b>Max. Discharge Current</b>	2600A (5 sec)
<b>Design Life</b>	12 years (floating charge)
<b>Max. Charging Current</b>	78.0 A
<b>Reference Capacity</b>	C3 198.8AH C5 223.9AH C10 247.6AH C20 260.0AH
<b>Float Charging Voltage</b>	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
<b>Cycle Use Voltage</b>	14.6 V~14.8 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.



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)

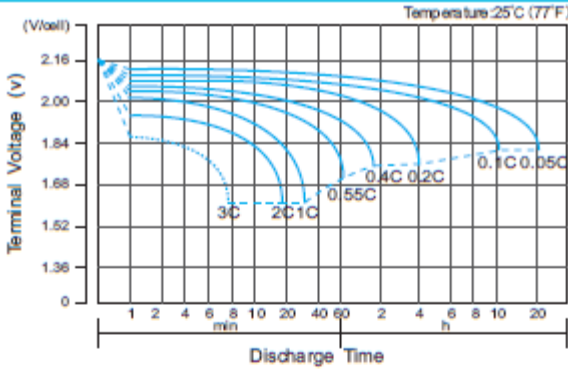
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	455.9	280.3	157.9	94.04	73.25	57.46	48.88	31.35	26.00	13.47
1.65V	426.3	265.5	152.5	90.89	71.00	55.74	47.34	31.10	25.75	13.40
1.70V	400.9	251.8	147.6	88.47	68.00	54.02	46.06	30.61	25.26	13.23
1.75V	375.5	241.8	143.0	85.07	66.25	52.55	44.78	30.12	25.01	13.00
1.80V	343.9	232.9	136.6	82.16	65.00	51.32	44.20	29.62	24.76	12.87
1.85V	284.5	197.5	122.0	75.14	60.50	48.13	40.69	27.89	23.28	12.75

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

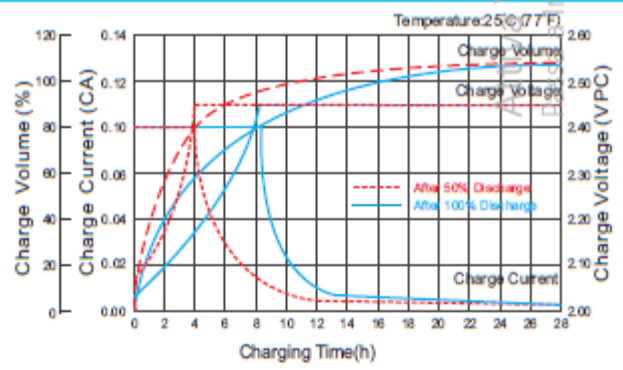
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	795.2	509.3	296.5	177.8	139.1	110.7	92.52	61.09	50.99	26.90
1.65V	773.2	497.4	291.4	173.0	135.6	108.0	90.02	60.61	50.50	26.66
1.70V	731.9	473.5	282.8	168.7	130.4	104.6	87.77	59.87	49.52	26.42
1.75V	690.8	456.9	275.0	162.7	127.2	102.2	85.77	58.90	49.03	25.94
1.80V	638.6	442.1	263.8	159.0	126.5	100.2	84.61	57.92	48.54	25.70
1.85V	536.5	379.2	236.9	146.4	118.0	94.3	78.26	54.74	45.84	25.46

(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>20</sub> should reach 95% after the first cycle and 100% after the third cycle.

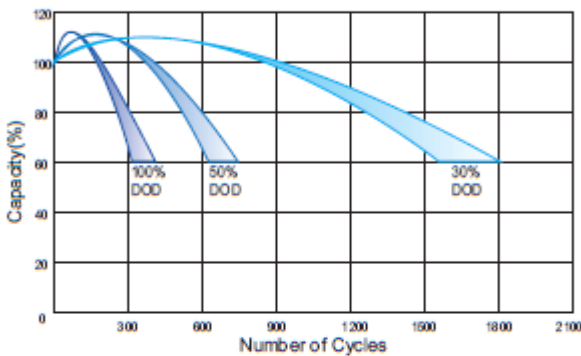
**Discharge Characteristics Curve**



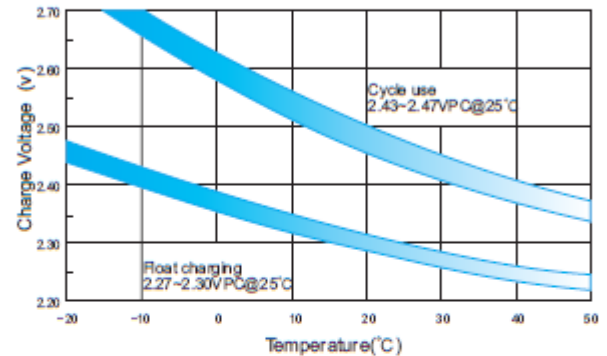
**Charge Characteristic Curve for Cycle Use(IU)**



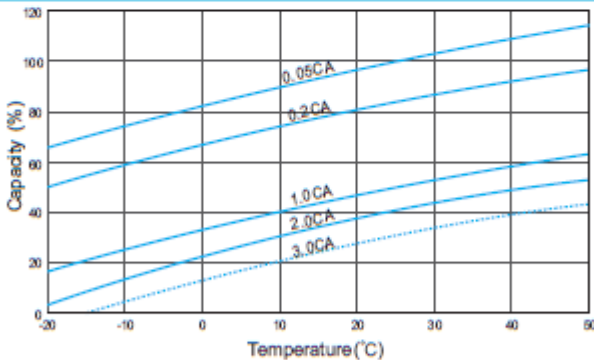
**Cycle Life in Relation to Depth of Discharge**



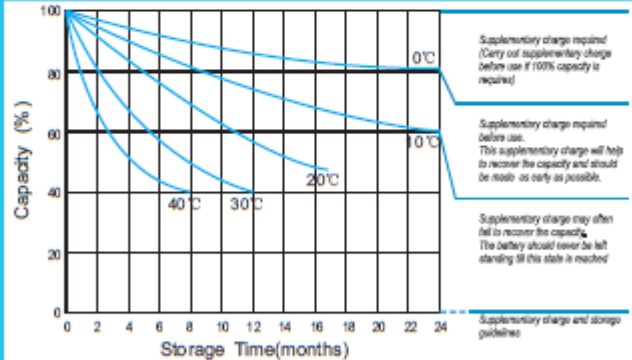
**Relationship Between Charging Voltage and Temperature**



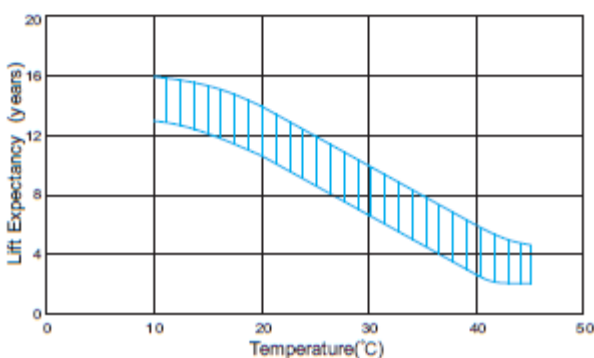
**Temperature Effects on Capacity**



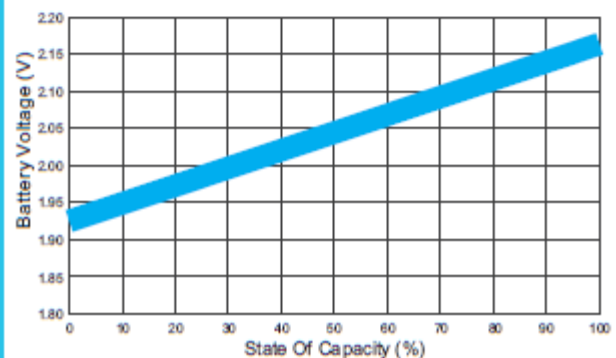
**Storage Characteristics**



**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.