

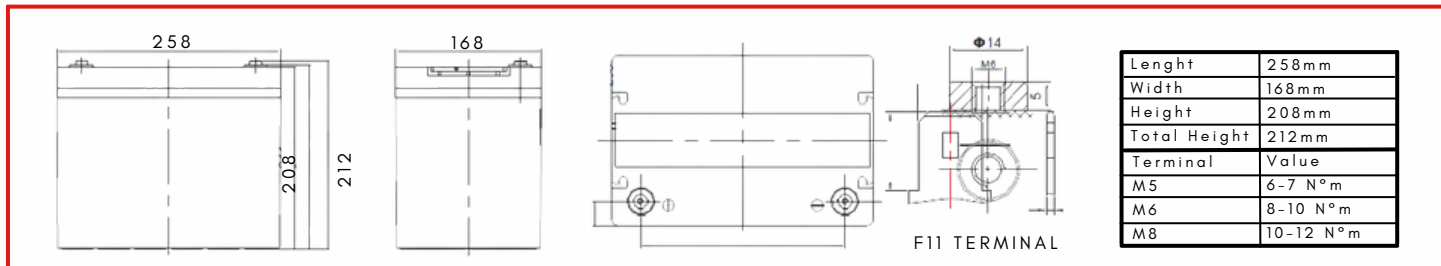
**SPECIFICATIONS**

Cells per Unit	6
Voltage per Unit	12
Capacity	85Ah@20hr-rate to 1.75V per cell@25°C
Weight	Approx. 26.0 Kg(Tolerance ± 5%)
Internal Resistance	Approx. ≤5.0 mΩ
Terminal	F11/M6
Max. Discharge Current	900A (5sec)
Design Life	12 years(floating charge)
Max. Charging Current	27.0A
Reference Capacity	C3 71.0AH C5 75.0AH C10 80.0AH C20 85.0AH
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	143.2	83.8	46.3	27.3	21.2	16.6	14.2	9.52	7.91	4.14
1.65V	136.9	80.4	44.7	26.5	20.5	16.2	13.8	9.41	7.82	4.07
1.70V	128.3	76.9	43.2	25.6	20.0	15.8	13.4	9.27	7.70	4.02
1.75V	119.3	73.5	41.7	24.7	19.4	15.3	13.1	9.14	7.60	3.97
1.80V	110.2	70.2	40.1	23.8	18.8	14.9	12.8	8.98	7.50	3.94
1.85V	91.4	60.5	35.9	21.8	17.4	13.9	11.9	8.43	7.06	3.74

**CONSTANT POWER DISCHARGE CHARACTERISTICS WPC(25°C)**

F.V/Time	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	8Hr	10Hr	20Hr
1.60V	250.4	152.2	87.0	51.8	40.4	32.0	27.3	18.6	15.6	8.15
1.65V	242.9	147.6	84.5	50.4	39.4	31.2	26.7	18.4	15.4	8.03
1.70V	230.9	142.5	82.2	49.0	38.5	30.5	26.1	18.2	15.2	7.94
1.75V	218.0	137.6	79.7	47.5	37.5	29.8	25.5	18.0	15.0	7.86
1.80V	204.2	132.9	77.1	46.0	36.5	29.0	25.0	17.7	14.8	7.79
1.85V	171.8	115.6	69.6	42.4	33.9	27.1	23.3	16.7	14.0	7.41

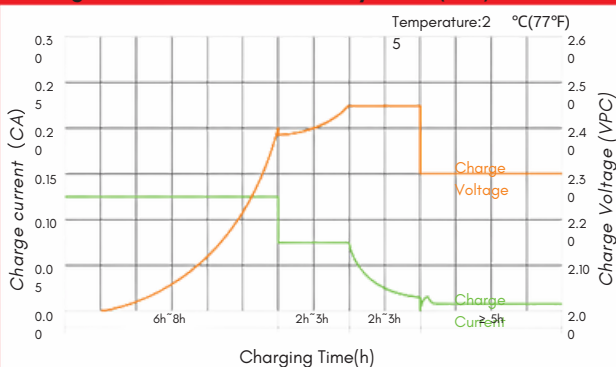
(Note)The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values. The battery must be fully charged before the capacity test. The C20 should reach 95% after the first cycle and 100% after the third cycle.



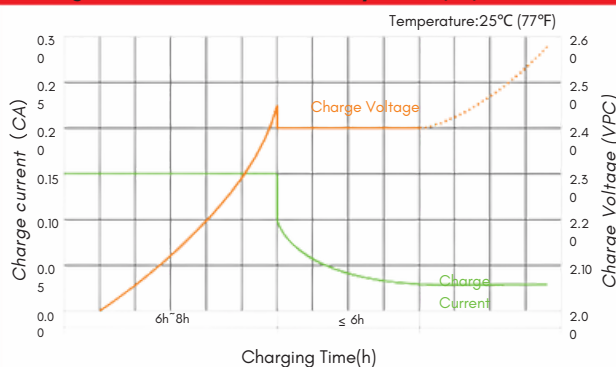


**AGM DEEP CYCLE SERIES LDC**

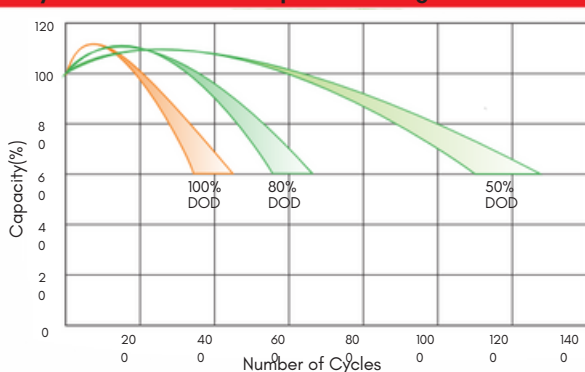
**Charge Characteristic Curve for Cycle Use(IIU)**



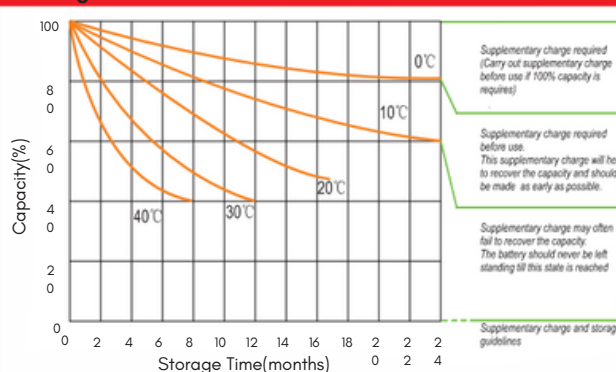
**Charge Characteristic Curve For Cycle Use(IUI)**



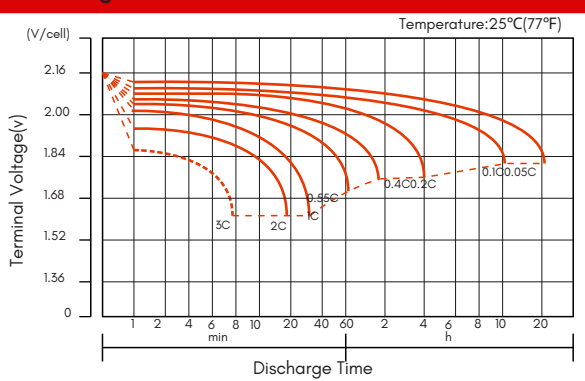
**Cycle Life in Relation to Depth of Discharge**



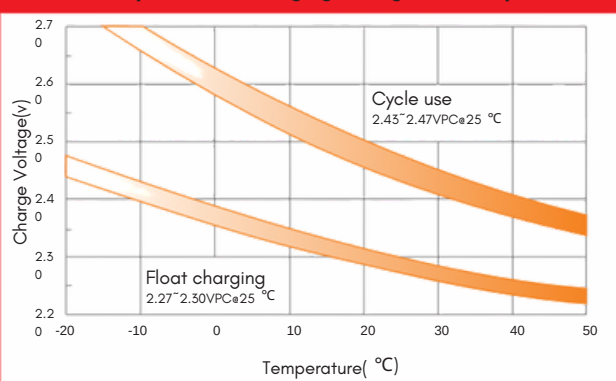
**Storage Characteristics**



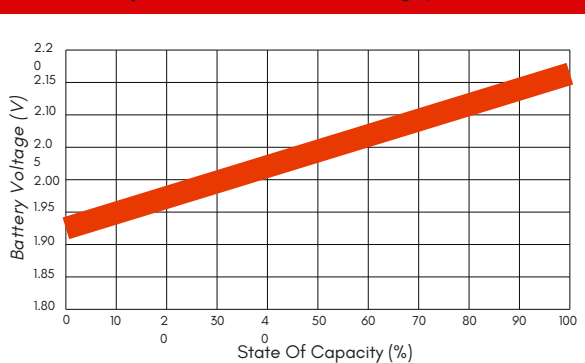
**Discharge Characteristics Curve**



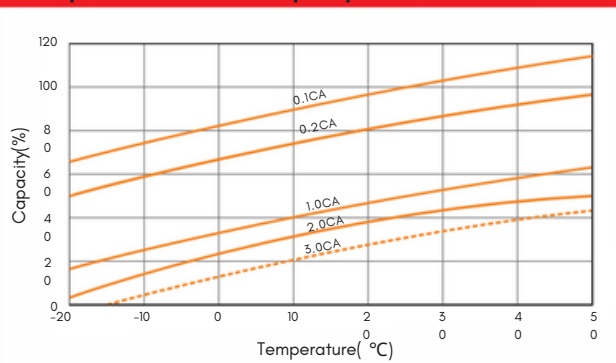
**Relationship Between Charging Voltage and Temperature**



**Relationship of OCV And State of Charge(20 °C)**



**Temperature Effects on Capacity**



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

