REVOLEAD
INDUSTRIAL BATTERY

AGM DEEP CYCLE SERIES *LDC*

LDC6-220
(6V - 220AH)

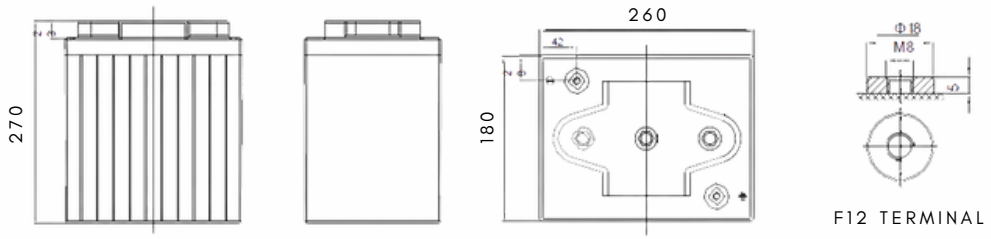
SPECIFICATIONS

Cells per Unit	3
Voltage per Unit	6
Capacity	220Ah@20hr-rate to 1.75V per cell@25°C
Weight	Approx. 30Kg(Tolerance ± 3%)
Internal Resistance	Approx. ⩽2.0 mΩ
Terminal	F12/M8
Max. Discharge Current	2250A (5sec)
Design Life	12 years(floating charge)
Max. Charging Current	67.5A
Reference Capacity	C3 161.0AH C5 183.0AH C10 209.0AH C20 220.0AH
Float Charging Voltage	6.80V≃6.90V @25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	7.30V≃7.40V @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



Lenght	260mm
Width	180mm
Height	247mm
Total Height	270mm
Terminal	Value
M5	6-7 N°m
M6	8-10 N°m
M8	10-12 N°m

CONSTANT CURRENT DISCHARGE CHARACTERISTICS A(25°C)

F.V/Time	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	8Hr	10Hr	20Hr
1.60V	397.5	248.8	138.8	82.0	63.5	49.9	42.5	28.6	23.7	12.4
1.65V	380.0	238.9	134.1	79.4	61.6	48.6	41.4	28.2	23.4	12.2
1.70V	355.9	228.3	129.7	76.8	59.9	47.3	40.3	27.8	23.1	12.1
1.75V	331.2	218.2	125.0	74.1	58.1	46.0	39.3	27.4	22.8	11.9
1.80V	305.8	208.6	120.2	71.4	56.3	44.7	38.3	26.9	22.5	11.8
1.85V	253.8	179.6	107.8	65.4	52.1	41.6	35.7	25.3	21.2	11.2

CONSTANT POWER DISCHARGE CHARACTERISTICS WPC(25°C)

F.V/Time	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	8Hr	10Hr	20Hr
1.60V	694.8	451.9	260.9	155.4	121.3	95.9	81.9	55.8	46.7	24.4
1.65V	674.1	438.4	253.4	151.2	118.1	93.6	80.1	55.3	46.2	24.1
1.70V	640.8	423.3	246.7	147.0	115.4	91.4	78.3	54.5	45.5	23.8
1.75V	605.0	408.7	439.1	142.5	112.4	89.4	76.6	53.9	45.0	23.6
1.80V	566.5	394.6	231.3	138.1	109.4	87.1	74.9	53.1	44.5	23.4
1.85V	476.8	343.2	208.7	127.2	101.6	81.3	70.0	50.0	41.9	22.2

(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.

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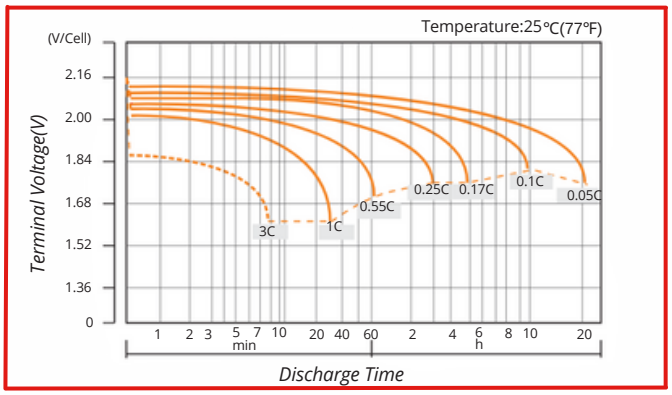
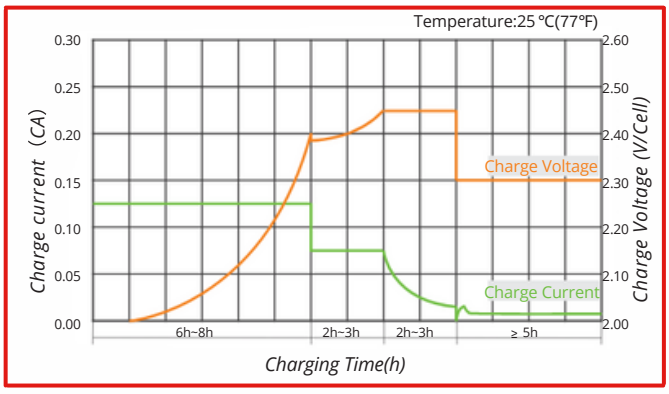
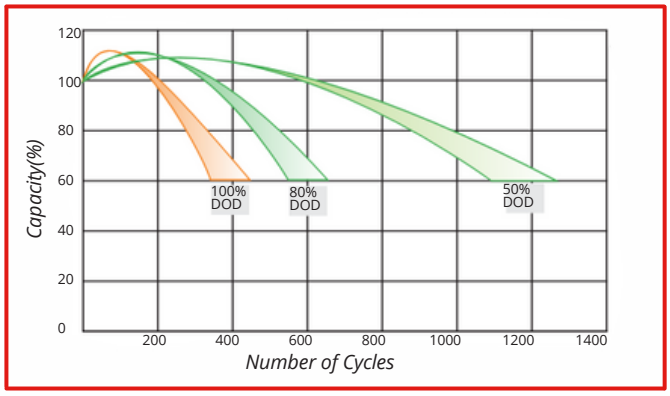
DISCHARGE CHARACTERISTICS CURVE



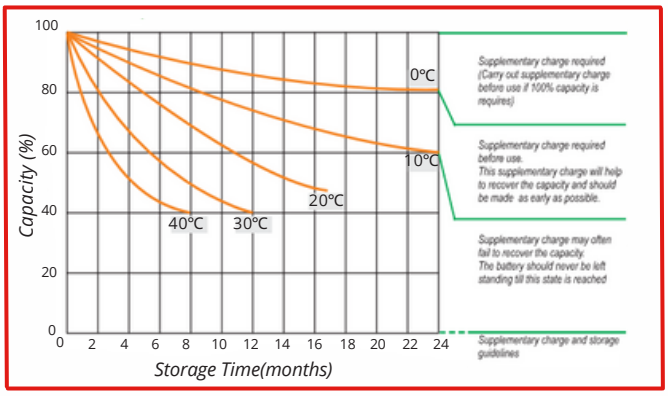
CHARGE CHARACTERISTICS CURVE FOR CYCLE USE



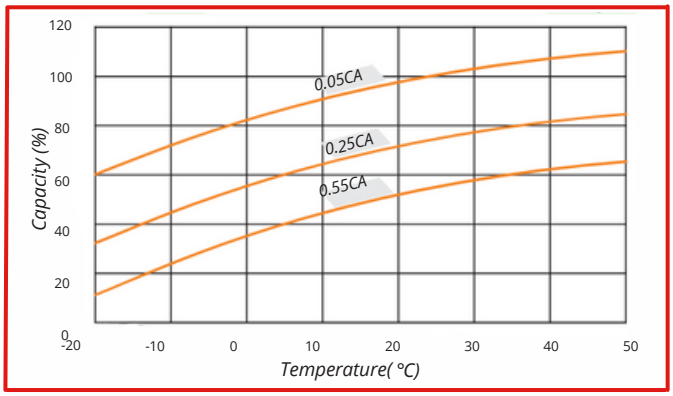
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



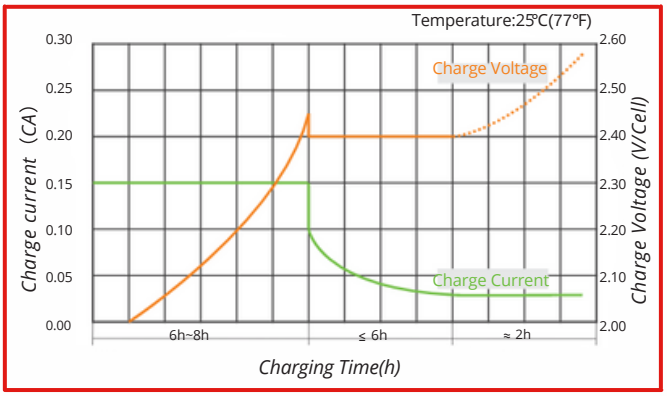
TEMPERATURE EFFECT ON BATTERY SELF-DISCHARGE



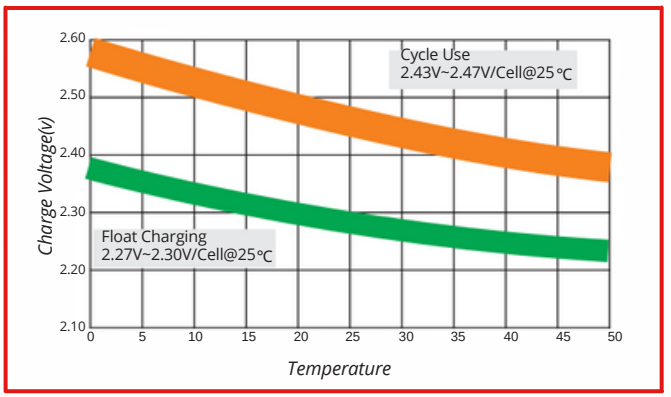
TEMPERATURE EFFECTS ON CAPACITY



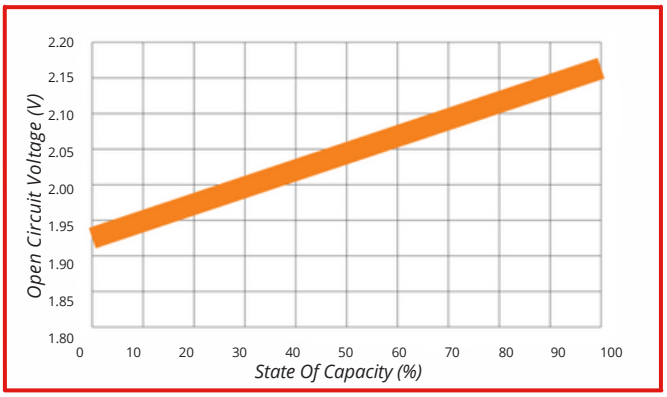
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



RELATIONSHIP BETWEEN CHARGING VOLT. AND TEMP.



RELATIONSHIP OF OCV AND STATE OF CHARGE



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

CE

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