

DC2-800(2V800Ah)



MJB

Specification



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharge. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offer 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment, V, telecom, broadband and cable TV, UPS systems etc.



ISO 9001



ISO 14001



ISO 45001



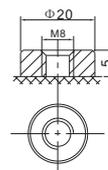
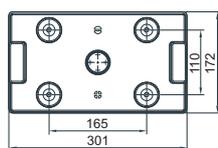
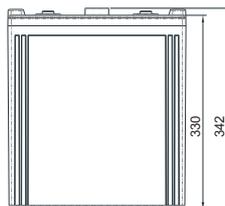
MH 28539



BSTXD210316008501EC

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	800Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 38.5Kg (Tolerance ±5%)
Internal Resistance	≤0.60 mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8)
Max. Discharge Current	3500A (5 sec)
Design Life	20 years
Max. Charging Current	150.0 A
Reference Capacity	C ₁ 440.0Ah C ₃ 600.0Ah C ₅ 680.0Ah C ₁₀ 800.0Ah
Float Charging Voltage	2.27 V~2.30 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.43 V~2.47 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	MJB 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



F10 TERMINAL

Length	301±2mm (11.9 inches)
Width	172±2mm (6.77 inches)
Height	330±2mm (13.0 inches)
Total Height	342±2mm (13.5 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

Constant Current Discharge Characteristics : A(25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	1169	766.0	488.8	301.0	225.6	181.6	150.9	101.4	84.40
1.65V	1095	735.4	472.0	291.4	218.7	176.7	147.0	100.3	83.37
1.70V	1026	702.9	456.7	281.8	212.7	171.9	143.2	98.74	82.11
1.75V	954.7	671.8	440.0	272.0	206.4	167.5	139.6	97.38	81.03
1.80V	881.5	642.1	423.2	262.2	200.0	162.7	136.0	95.72	80.00
1.85V	731.5	553.0	379.5	240.3	184.9	151.2	126.8	89.86	75.30

Constant Power Discharge Characteristics : W/Cell (25°C)

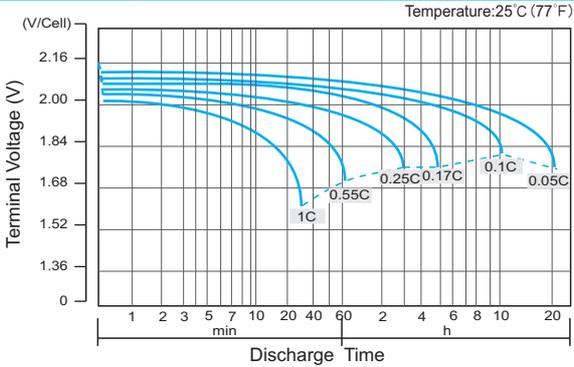
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	2044	1391	918.5	570.5	431.0	348.7	290.9	198.1	165.9
1.65V	1943	1350	892.1	555.0	419.4	340.5	284.4	196.3	164.1
1.70V	1847	1303	868.5	539.6	409.8	332.5	278.0	193.7	161.8
1.75V	1744	1258	841.8	523.2	399.3	325.2	271.9	191.4	159.9
1.80V	1633	1215	814.3	507.0	388.5	317.0	265.9	188.6	158.1
1.85V	1374	1057	734.9	467.1	360.7	295.8	248.8	177.4	149.0

(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.

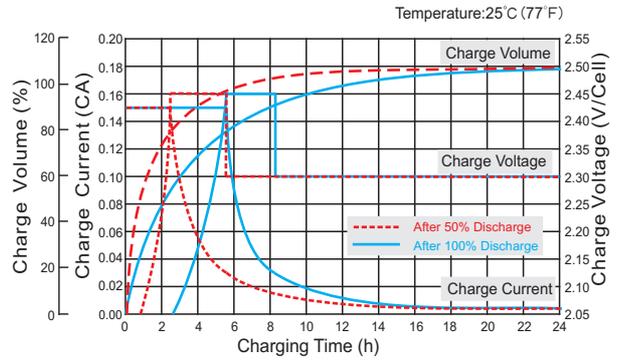
DC2-800(2V800Ah)



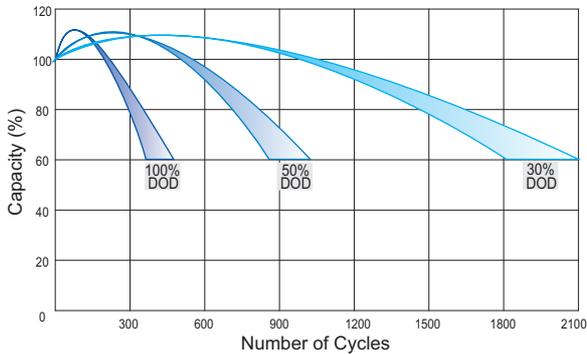
Discharge Characteristics Curve



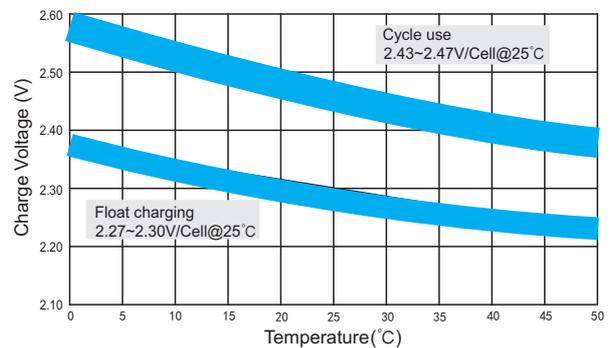
Charge Characteristic Curve for Cycle Use(IUU)



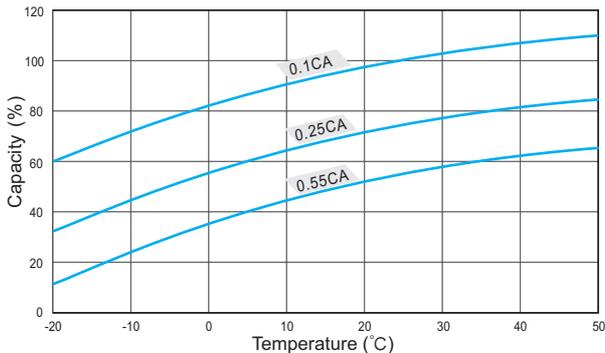
Cycle Life in Relation to Depth of Discharge



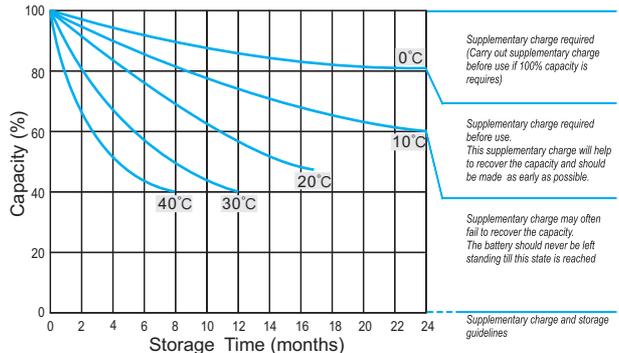
Relationship Between Charging Voltage and Temperature



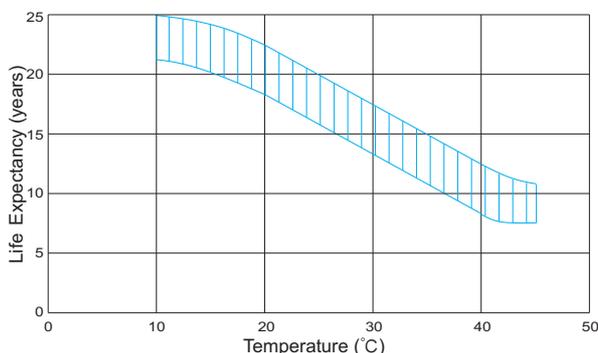
Temperature Effects on Capacity



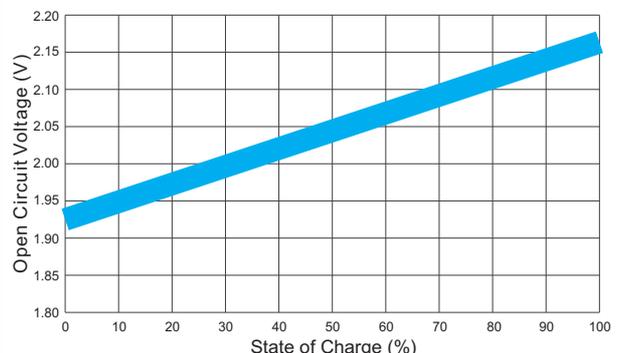
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DC2-250(2V250Ah)



MJB

Specification



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharge. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offer 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment, V, telecom, broadband and cable TV, UPS systems etc.



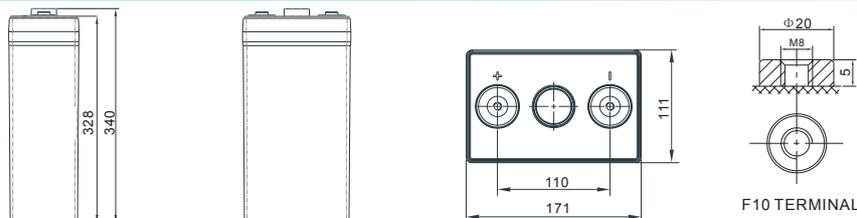
ISO 9001 ISO 14001 ISO 45001



MH 28539 BSTXD210316008501EC

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	250Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 13.3 Kg (Tolerance ±5%)
Internal Resistance	≤0.76 mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8)
Max. Discharge Current	1250A (5 sec)
Design Life	20 years
Max. Charging Current	50.0 A
Reference Capacity	C ₁ 137.5Ah C ₃ 187.5Ah C ₅ 212.5Ah C ₁₀ 250.0Ah
Float Charging Voltage	2.27 V~2.30 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.43 V~2.47 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	MJB 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	171±2mm (6.73 inches)
Width	111±2mm (4.37 inches)
Height	328±2mm (12.9 inches)
Total Height	340±2mm (13.4 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

Constant Current Discharge Characteristics : A(25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	384.6	244.3	152.7	94.07	70.51	56.76	47.17	31.70	26.37
1.65V	360.3	234.5	147.5	91.06	68.34	55.22	45.94	31.34	26.05
1.70V	337.5	224.1	142.7	88.06	66.48	53.72	44.75	30.86	25.66
1.75V	314.0	214.2	137.5	84.99	64.50	52.35	43.62	30.43	25.32
1.80V	290.0	204.8	132.2	81.94	62.50	50.84	42.50	29.91	25.00
1.85V	240.6	176.4	118.6	75.08	57.78	47.26	39.63	28.08	23.53

Constant Power Discharge Characteristics : W/Cell (25°C)

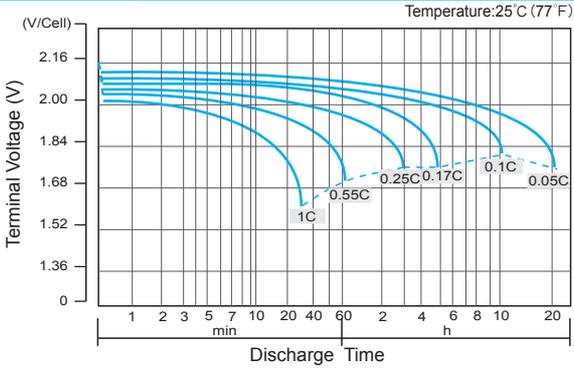
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	672.3	443.6	287.0	178.3	134.7	109.0	90.92	61.90	51.84
1.65V	639.2	430.4	278.8	173.4	131.1	106.4	88.89	61.34	51.28
1.70V	607.6	415.5	271.4	168.6	128.1	103.9	86.88	60.53	50.58
1.75V	573.7	401.2	263.1	163.5	124.8	101.6	84.98	59.81	49.97
1.80V	537.2	387.4	254.5	158.4	121.4	99.07	83.09	58.92	49.40
1.85V	452.1	336.9	229.6	146.0	112.7	92.44	77.74	55.45	46.57

(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.

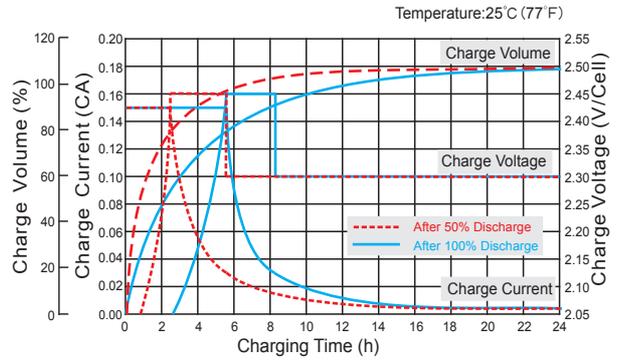
DC2-250(2V250Ah)



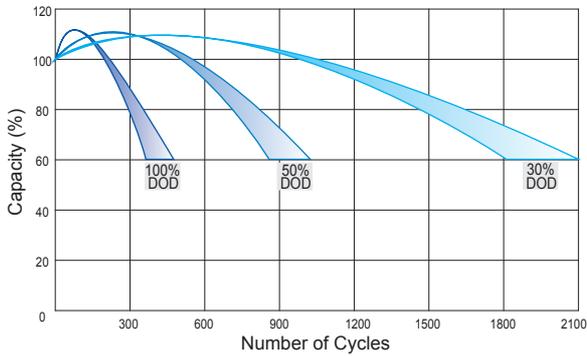
Discharge Characteristics Curve



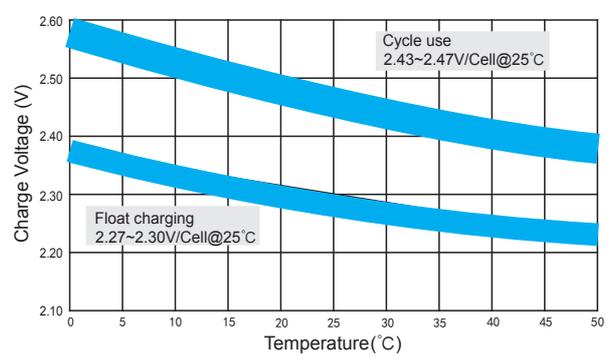
Charge Characteristic Curve for Cycle Use(IUU)



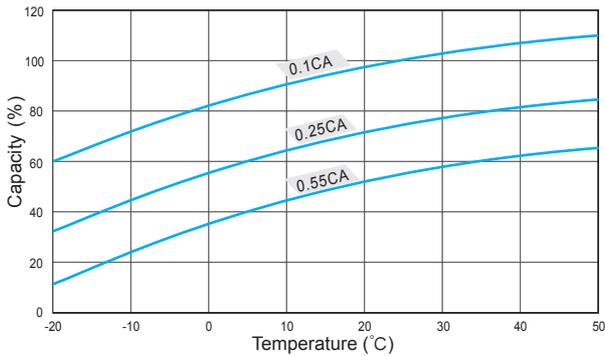
Cycle Life in Relation to Depth of Discharge



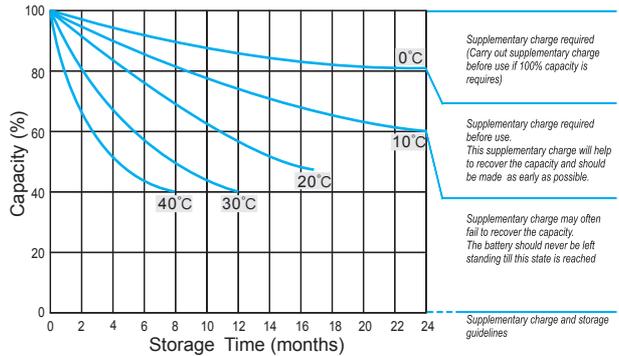
Relationship Between Charging Voltage and Temperature



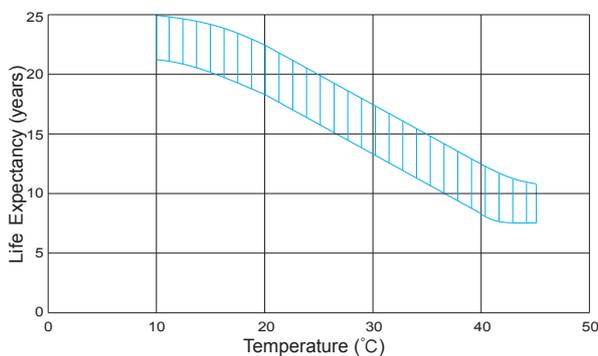
Temperature Effects on Capacity



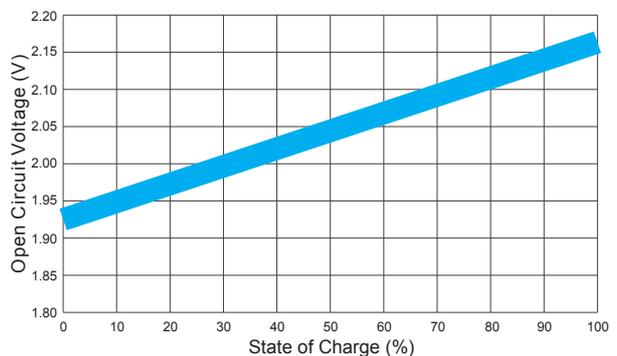
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DC6-200(6V200Ah)



MJB

Specification

Cells Per Unit	3
Voltage Per Unit	6V
Capacity	200Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 29.0Kg (Tolerance ±5%)
Internal Resistance	≤2.0 mΩ (Full Charge Condition @25°C)
Terminal	Default F14(M8), F16(M8) Optional
Max. Discharge Current	2000A (5 sec)
Design Life	12 years
Max. Charging Current	60.0A
Reference Capacity	C ₃ 150.0Ah C ₅ 170.0Ah C ₁₀ 190.5Ah C ₂₀ 200.0Ah
Float Charging Voltage	6.80 V~6.90V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	7.30 V~7.40 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	MJB 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.



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ISO 9001



ISO 14001



ISO 45001

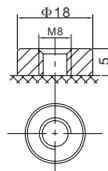
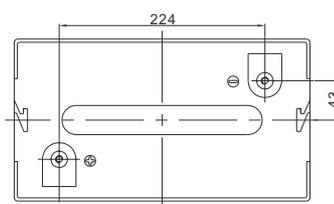
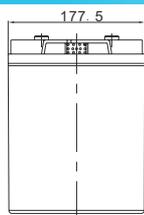
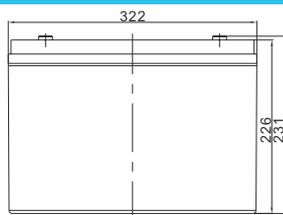


MH 28539



BSTXD210316008501EC

Dimensions



F14 TERMINAL

Length	322±2mm (12.7 inches)
Width	177.5±2mm (6.99 inches)
Height	226±2mm (8.90 inches)
Total Height	231±2mm (9.09 inches)
Terminal	Value
M5	6-7 N·m
M6	8-10 N·m
M8	10-12 N·m

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	437.1	350.7	215.6	121.5	72.34	56.35	44.20	37.60	24.12	20.00	10.37
1.65V	402.6	327.9	204.3	117.3	69.92	54.62	42.88	36.42	23.93	19.81	10.31
1.70V	373.1	308.4	193.7	113.6	68.05	52.31	41.56	35.43	23.55	19.43	10.18
1.75V	342.3	288.9	186.0	110.0	65.44	50.96	40.42	34.45	23.17	19.24	10.00
1.80V	311.5	264.5	179.2	105.1	63.20	50.00	39.48	34.00	22.79	19.05	9.903
1.85V	243.8	218.9	151.9	93.83	57.80	46.54	37.02	31.30	21.46	17.90	9.811

Constant Power Discharge Characteristics : W/Cell (25°C)

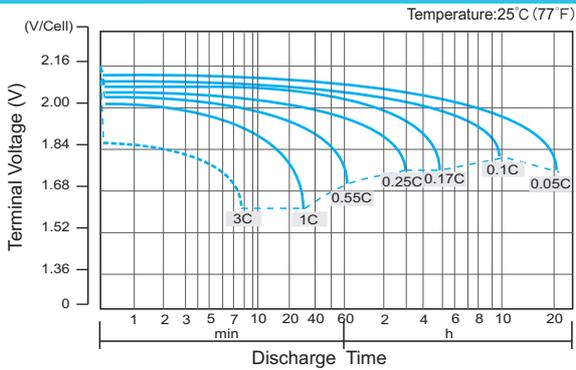
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	744.2	611.7	391.8	228.0	136.8	107.0	85.19	71.17	47.00	39.22	20.69
1.65V	716.6	594.8	382.6	224.1	133.1	104.3	83.11	69.24	46.62	38.85	20.51
1.70V	668.8	563.0	364.2	217.6	129.8	100.3	80.47	67.51	46.06	38.09	20.32
1.75V	622.4	531.4	351.5	211.5	125.1	97.86	78.58	65.97	45.30	37.71	19.95
1.80V	573.4	491.2	340.1	202.9	122.3	97.31	77.07	65.09	44.55	37.34	19.77
1.85V	454.9	412.7	291.7	182.2	112.6	90.77	72.53	60.20	42.11	35.26	19.58

(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.

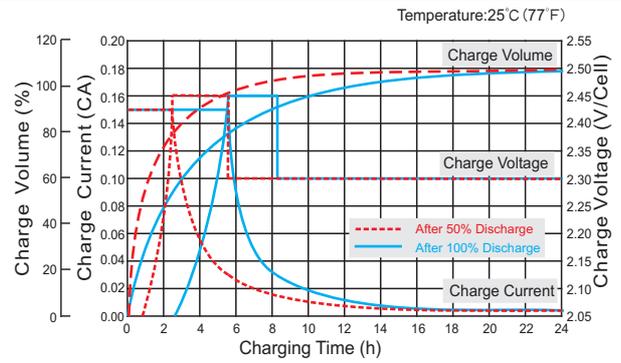
DC6-200(6V200Ah)



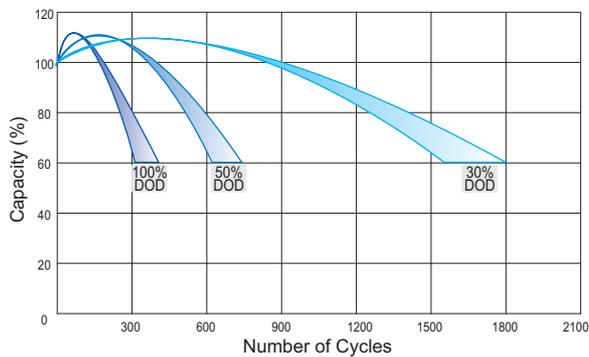
Discharge Characteristics Curve



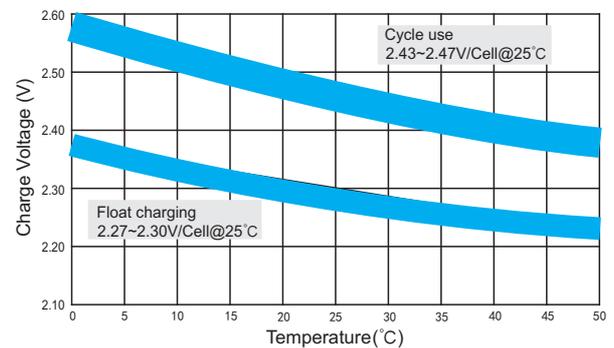
Charge Characteristic Curve for Cycle Use(IUU)



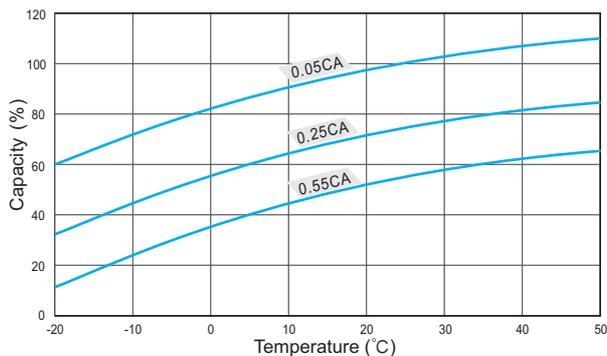
Cycle Life in Relation to Depth of Discharge



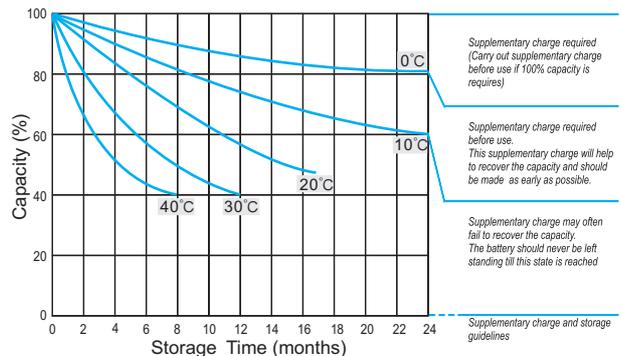
Relationship Between Charging Voltage and Temperature



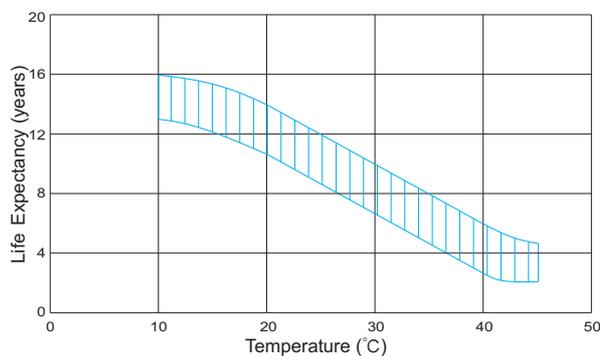
Temperature Effects on Capacity



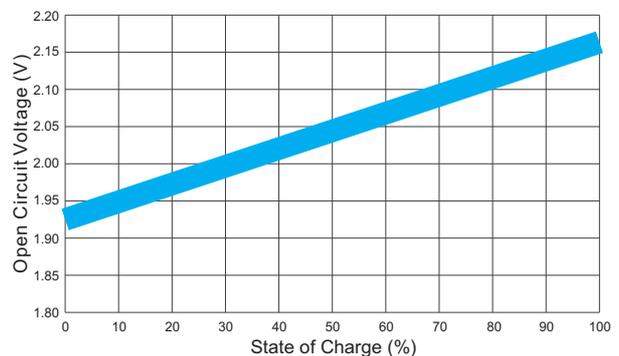
Storage Characteristics



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, MJB reserves the right to explain and update the latest information.

DC2-600(2V600Ah)



MJB

Specification



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharge. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offer 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment, V, telecom, broadband and cable TV, UPS systems etc.



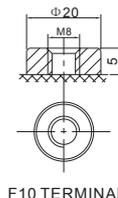
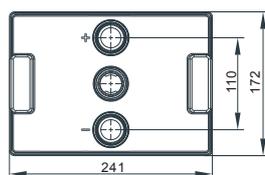
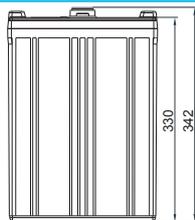
ISO 9001 ISO 14001 ISO 45001



MH 28539 BSTXD210316008501EC

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	600Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 29.5 Kg (Tolerance ±5%)
Internal Resistance	≤0.63 mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8)
Max. Discharge Current	3000A (5 sec)
Design Life	20 years
Max. Charging Current	120.0 A
Reference Capacity	C ₁ 330.0Ah C ₃ 450.0Ah C ₅ 510.0Ah C ₁₀ 600.0Ah
Float Charging Voltage	2.27 V~2.30 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.43 V~2.47 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	MJB 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	241±2mm (9.49 inches)
Width	172±2mm (6.77 inches)
Height	330±2mm (13.0 inches)
Total Height	342±2mm (13.5 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

Constant Current Discharge Characteristics : A(25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	876.8	574.5	366.6	225.8	169.2	136.2	113.2	76.07	63.30
1.65V	821.5	551.5	354.0	218.6	164.0	132.5	110.3	75.22	62.53
1.70V	769.4	527.2	342.5	211.4	159.6	128.9	107.4	74.06	61.58
1.75V	716.0	503.9	330.0	204.0	154.8	125.6	104.7	73.04	60.77
1.80V	661.1	481.6	317.4	196.7	150.0	122.0	102.0	71.79	60.00
1.85V	548.6	414.8	284.7	180.2	138.7	113.4	95.11	67.40	56.48

Constant Power Discharge Characteristics : W/Cell (25°C)

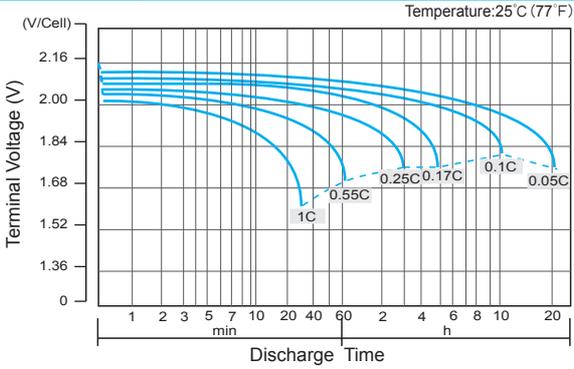
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	1533	1043	688.9	427.9	323.2	261.5	218.2	148.6	124.4
1.65V	1457	1012	669.1	416.2	314.6	255.4	213.3	147.2	123.1
1.70V	1385	977.3	651.4	404.7	307.4	249.4	208.5	145.3	121.4
1.75V	1308	943.7	631.4	392.4	299.5	243.9	204.0	143.5	119.9
1.80V	1225	911.1	610.8	380.3	291.3	237.8	199.4	141.4	118.6
1.85V	1031	792.5	551.1	350.3	270.5	221.8	186.6	133.1	111.8

(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.

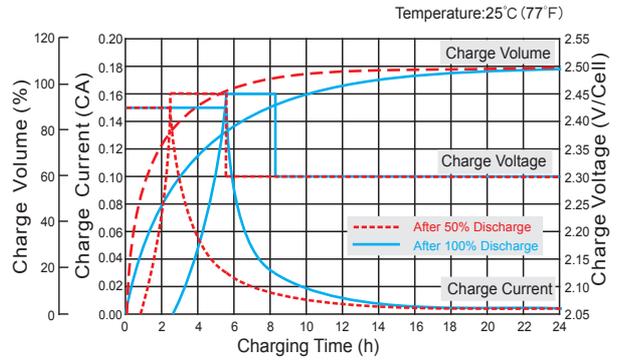
DC2-600(2V600Ah)



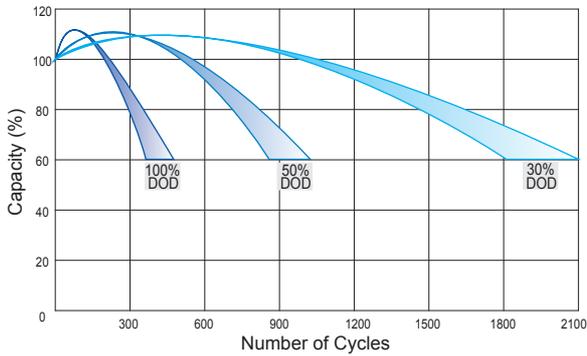
Discharge Characteristics Curve



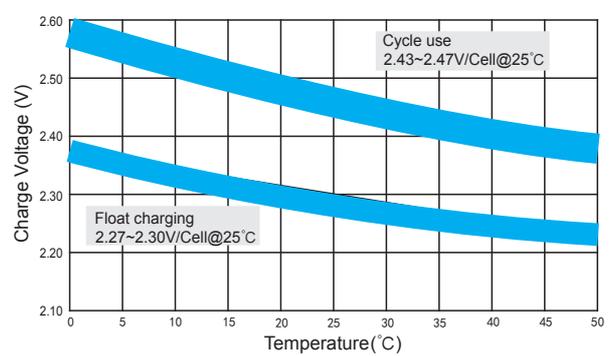
Charge Characteristic Curve for Cycle Use(IUU)



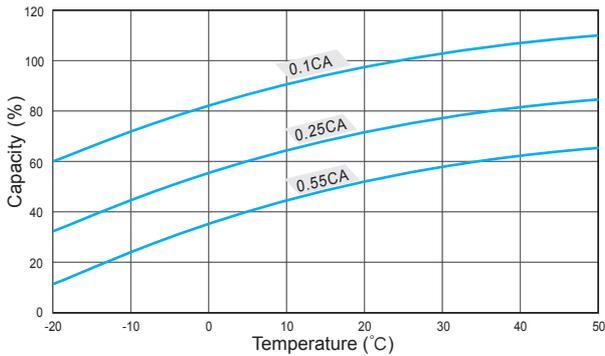
Cycle Life in Relation to Depth of Discharge



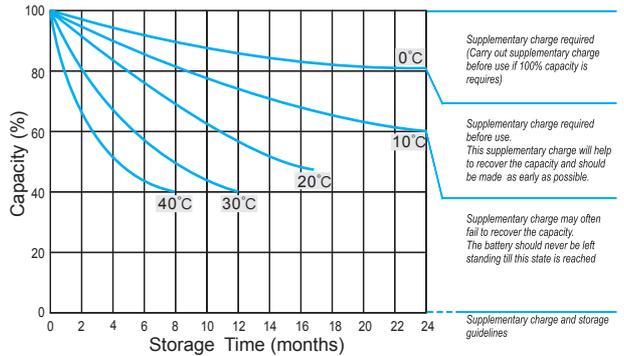
Relationship Between Charging Voltage and Temperature



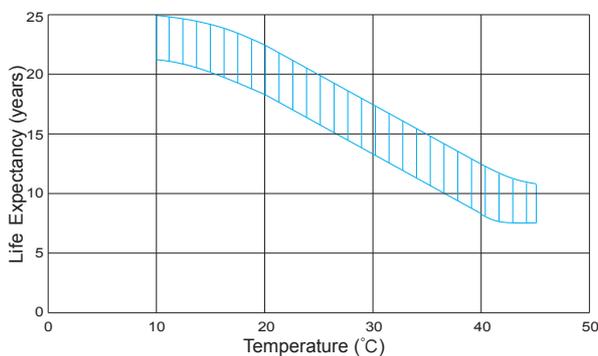
Temperature Effects on Capacity



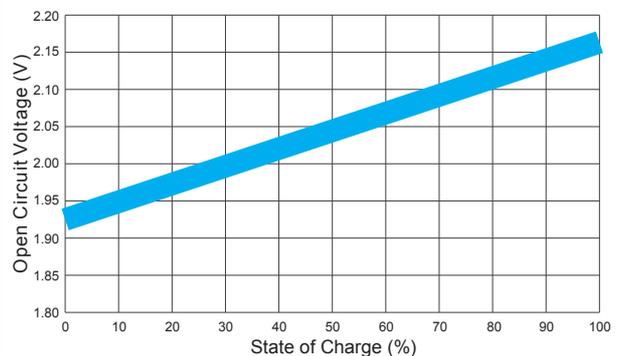
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DC2-400(2V400Ah)



MJB

Specification



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharge. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offer 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment, V, telecom, broadband and cable TV, UPS systems etc.



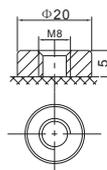
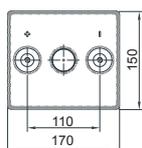
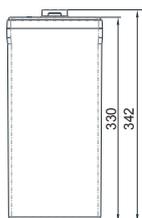
ISO 9001 ISO 14001 ISO 45001



MH 28539 BSTXD210316008501EC

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	400Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 19.0 Kg (Tolerance ±5%)
Internal Resistance	≤0.70mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8)
Max. Discharge Current	2000A (5 sec)
Design Life	20 years
Max. Charging Current	80.0 A
Reference Capacity	C ₁ 220.0Ah C ₃ 300.0Ah C ₅ 339.5Ah C ₁₀ 400.0Ah
Float Charging Voltage	2.27 V~2.30 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.43 V~2.47 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	MJB 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



F10 TERMINAL

Length	170±2mm (6.69 inches)
Width	150±2mm (5.91 inches)
Height	330±2mm (13.0 inches)
Total Height	342±2mm (13.5 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit:: mm

Constant Current Discharge Characteristics : A(25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	615.3	390.8	244.4	150.5	112.8	90.82	75.46	50.72	42.20
1.65V	576.5	375.2	236.0	145.7	109.3	88.36	73.51	50.15	41.68
1.70V	539.9	358.6	228.3	140.9	106.4	85.95	71.59	49.37	41.06
1.75V	502.4	342.8	220.0	136.0	103.2	83.75	69.79	48.69	40.52
1.80V	463.9	327.6	211.6	131.1	100.0	81.35	67.99	47.86	40.00
1.85V	385.0	282.2	189.8	120.1	92.45	75.61	63.41	44.93	37.65

Constant Power Discharge Characteristics : W/Cell (25°C)

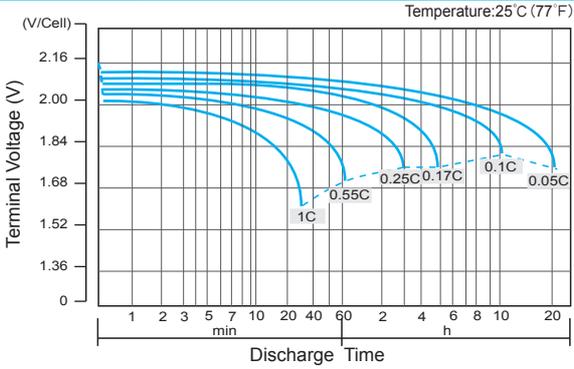
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	1075.6	709.8	459.3	285.3	215.5	174.4	145.5	99.05	82.95
1.65V	1022.7	688.6	446.1	277.5	209.7	170.3	142.2	98.14	82.06
1.70V	972.2	664.8	434.3	269.8	204.9	166.3	139.0	96.85	80.92
1.75V	917.9	642.0	420.9	261.6	199.6	162.6	136.0	95.69	79.96
1.80V	859.5	619.8	407.2	253.5	194.2	158.5	132.9	94.28	79.04
1.85V	723.4	539.1	367.4	233.5	180.4	147.9	124.4	88.71	74.51

(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.

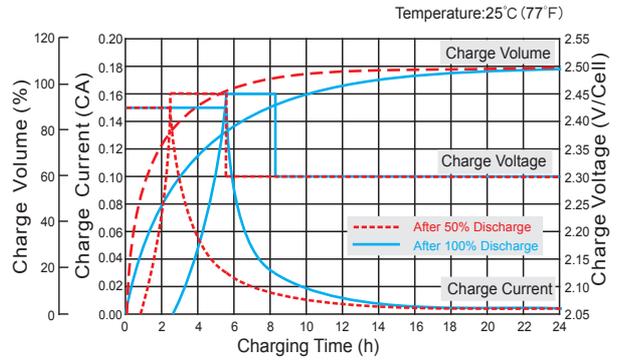
DC2-400(2V400Ah)



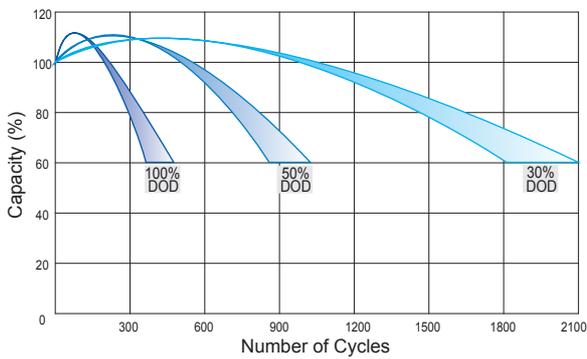
Discharge Characteristics Curve



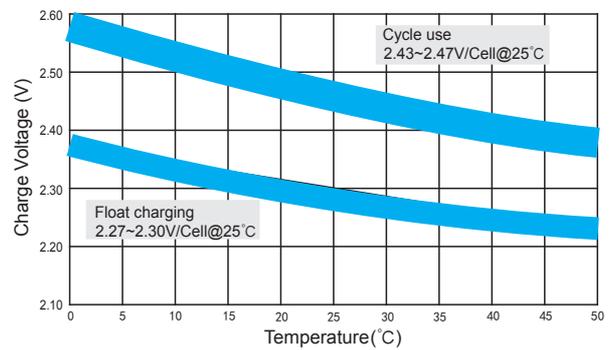
Charge Characteristic Curve for Cycle Use(IUU)



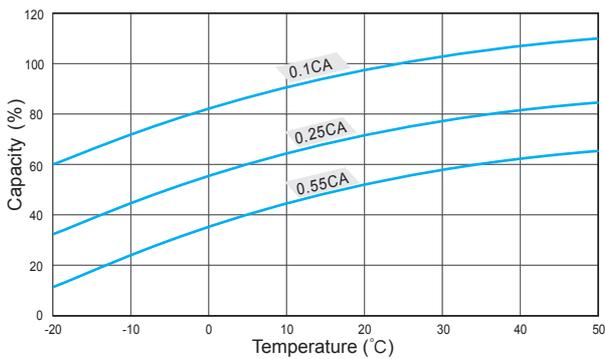
Cycle Life in Relation to Depth of Discharge



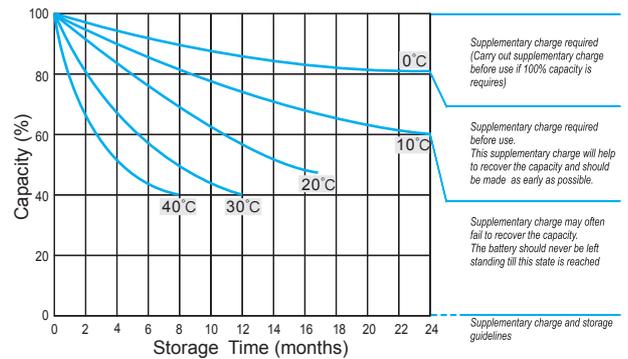
Relationship Between Charging Voltage and Temperature



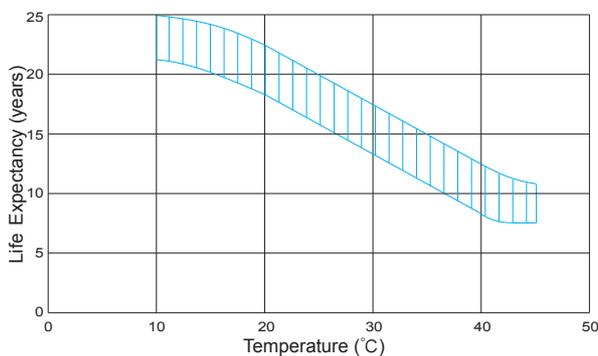
Temperature Effects on Capacity



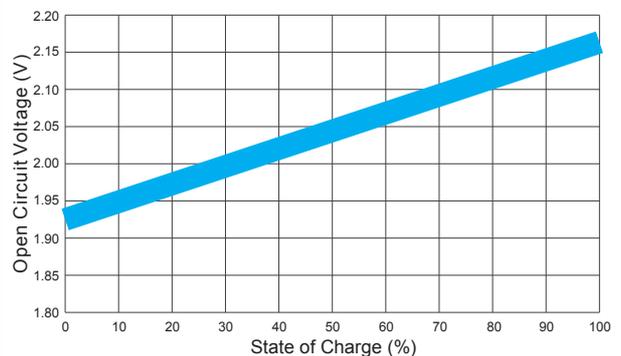
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DC2-3000 (2V3000Ah)



MJB

Specification

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	3000Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 159.0Kg (Tolerance± 5%)
Internal Resistance	≤0.30 mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8)
Max. Discharge Current	9000A (5 sec)
Design Life	20 years
Max. Charging Current	600.0 A
Reference Capacity	C ₁ 1650.0Ah C ₃ 2250.0Ah C ₅ 2550.0Ah C ₁₀ 3000.0Ah
Float Charging Voltage	2.27 V~2.30 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.43 V~2.47 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	MJB Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C 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.



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharge. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offer 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment, V, telecom, broadband and cable TV, UPS systems etc.



ISO 9001



ISO 14001



ISO 45001

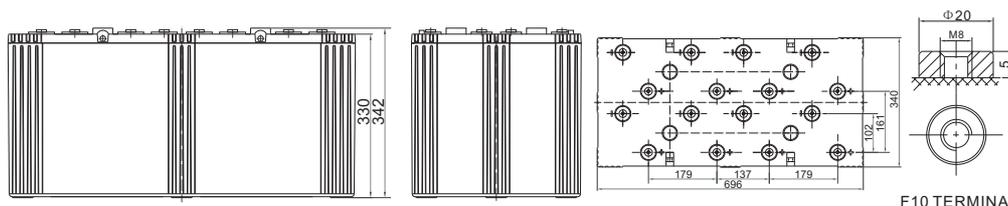


MH 28539



BSTXD210316008501EC

Dimensions



Length	696±2mm (27.4 inches)
Width	340±2mm (13.4 inches)
Height	330±2mm (13.0 inches)
Total Height	342±2mm (13.5 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

F10 TERMINAL

Unit: mm

Constant Current Discharge Characteristics : A(25°C)

F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	2872	1833	1129	846.1	681.1	566.0	380.4	316.5
1.65V	2758	1770	1093	820.0	662.7	551.3	376.1	312.6
1.70V	2636	1713	1057	797.8	644.7	537.0	370.3	307.9
1.75V	2519	1650	1020	773.9	628.2	523.5	365.2	303.9
1.80V	2408	1587	983.3	750.0	610.1	510.0	358.9	300.0
1.85V	2074	1423	901.0	693.3	567.1	475.6	337.0	282.4

Constant Power Discharge Characteristics : W/Cell (25°C)

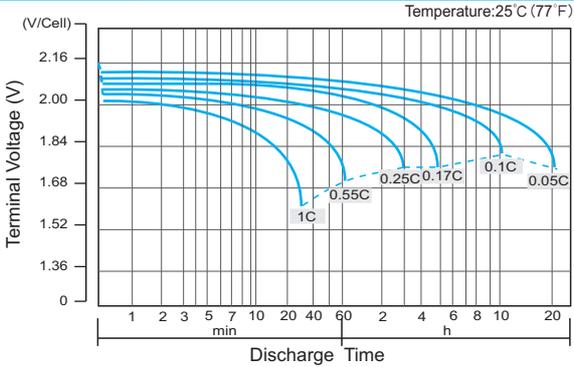
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	5217	3445	2139	1616	1308	1091	742.9	622.1
1.65V	5061	3346	2081	1573	1277	1067	736.1	615.4
1.70V	4886	3257	2024	1537	1247	1043	726.3	606.9
1.75V	4718	3157	1962	1497	1220	1020	717.7	599.7
1.80V	4555	3054	1901	1457	1189	997.0	707.1	592.8
1.85V	3962	2756	1752	1353	1109	932.8	665.4	558.9

(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.

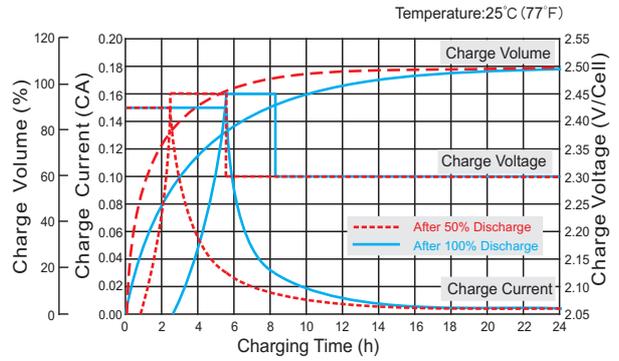
DC2-3000(2V3000Ah)



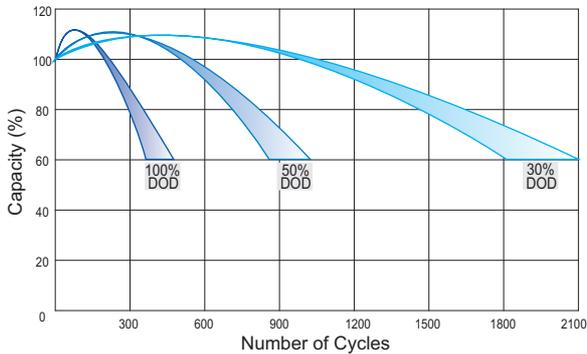
Discharge Characteristics Curve



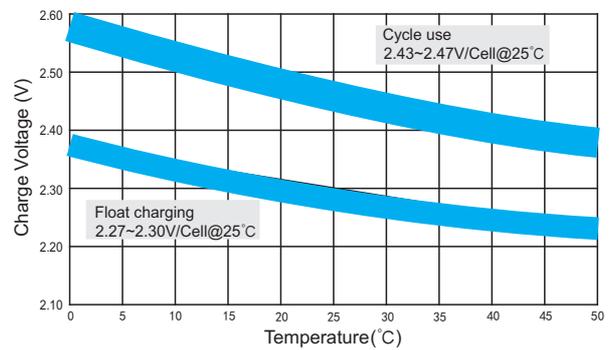
Charge Characteristic Curve for Cycle Use(IUU)



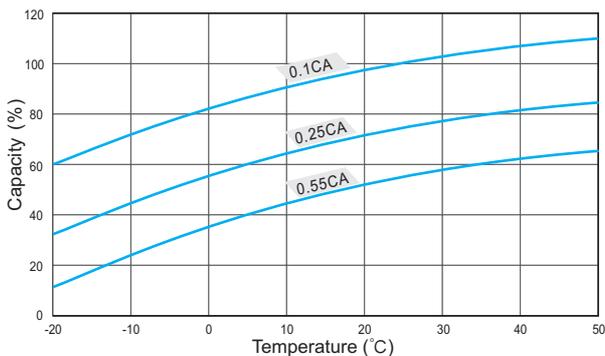
Cycle Life in Relation to Depth of Discharge



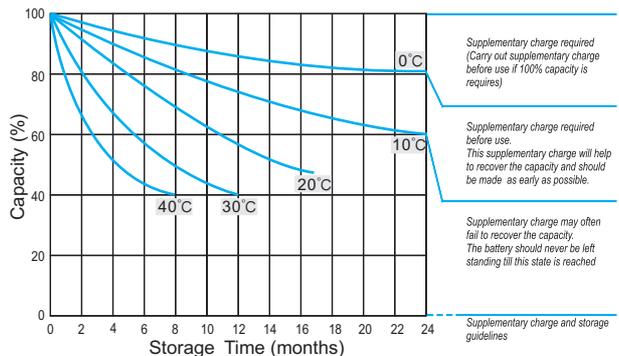
Relationship Between Charging Voltage and Temperature



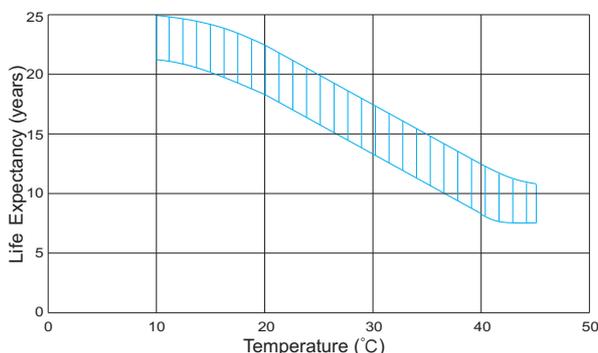
Temperature Effects on Capacity



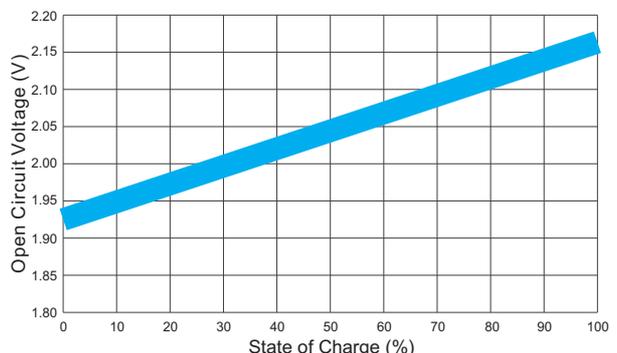
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DC2-300(2V300Ah)



MJB

Specification



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharge. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offer 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment, V, telecom, broadband and cable TV, UPS systems etc.



ISO 9001



ISO 14001



ISO 45001



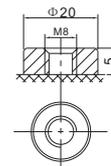
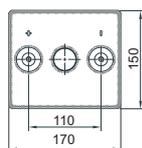
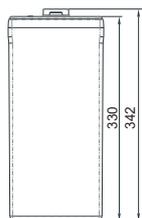
MH 28539



BSTXD210316008501EC

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	300Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 16.0 Kg (Tolerance ±5%)
Internal Resistance	≤0.75mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8)
Max. Discharge Current	1500A (5 sec)
Design Life	20 years
Max. Charging Current	60.0 A
Reference Capacity	C ₁ 165.0Ah C ₃ 225.0Ah C ₅ 255.0Ah C ₁₀ 300.0Ah
Float Charging Voltage	2.27 V~2.30 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.43 V~2.47 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	MJB 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



F10 TERMINAL

Length	170±2mm (6.69 inches)
Width	150±2mm (5.91 inches)
Height	330±2mm (13.0 inches)
Total Height	342±2mm (13.5 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

Constant Current Discharge Characteristics : A(25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	461.5	293.1	183.3	112.9	84.61	68.11	56.60	38.04	31.65
1.65V	432.4	281.4	177.0	109.3	82.00	66.27	55.13	37.61	31.26
1.70V	405.0	269.0	171.3	105.7	79.78	64.47	53.70	37.03	30.79
1.75V	376.8	257.1	165.0	102.0	77.39	62.82	52.35	36.52	30.39
1.80V	348.0	245.7	158.7	98.33	75.00	61.01	51.00	35.89	30.00
1.85V	288.7	211.6	142.3	90.10	69.33	56.71	47.56	33.70	28.24

Constant Power Discharge Characteristics : W/Cell (25°C)

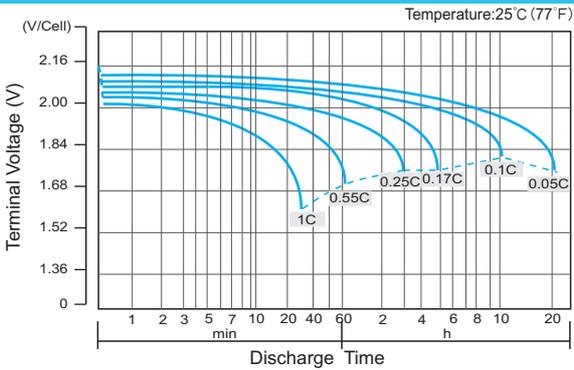
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	806.7	532.4	344.5	213.9	161.6	130.8	109.1	74.29	62.21
1.65V	767.0	516.5	334.6	208.1	157.3	127.7	106.7	73.61	61.54
1.70V	729.2	498.6	325.7	202.4	153.7	124.7	104.3	72.63	60.69
1.75V	688.4	481.5	315.7	196.2	149.7	122.0	102.0	71.77	59.97
1.80V	644.6	464.8	305.4	190.1	145.7	118.9	99.70	70.71	59.28
1.85V	542.5	404.3	275.6	175.2	135.3	110.9	93.28	66.54	55.89

(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.

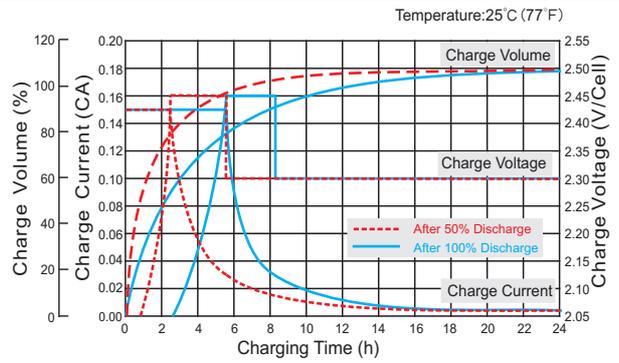
DC2-300(2V300Ah)



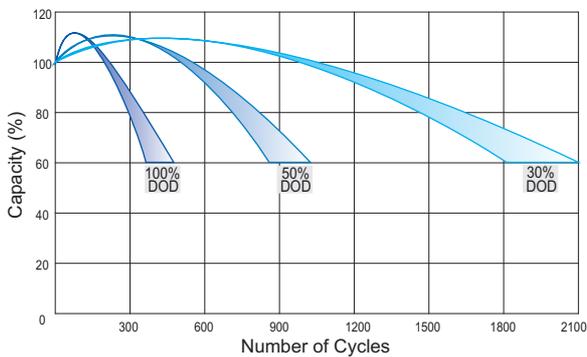
Discharge Characteristics Curve



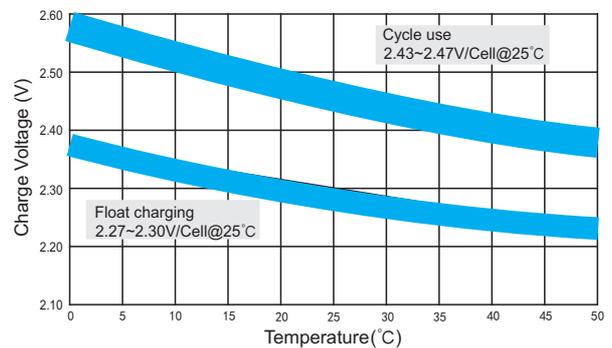
Charge Characteristic Curve for Cycle Use(IUU)



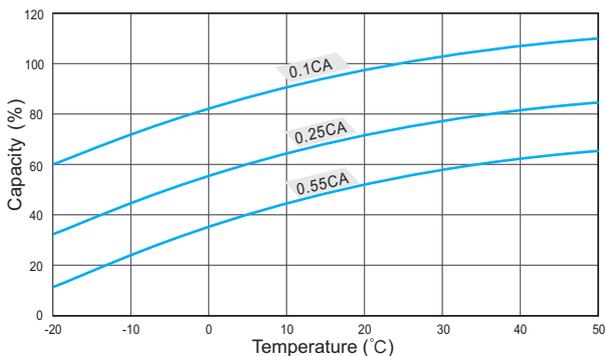
Cycle Life in Relation to Depth of Discharge



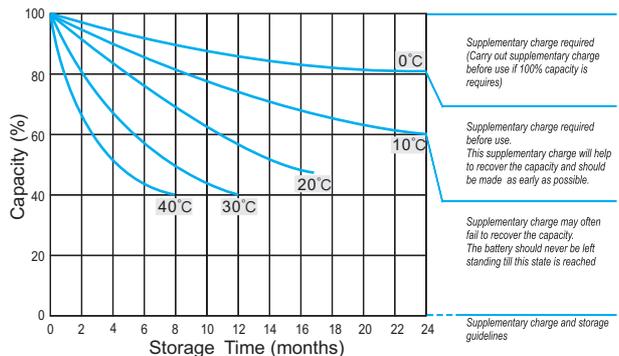
Relationship Between Charging Voltage and Temperature



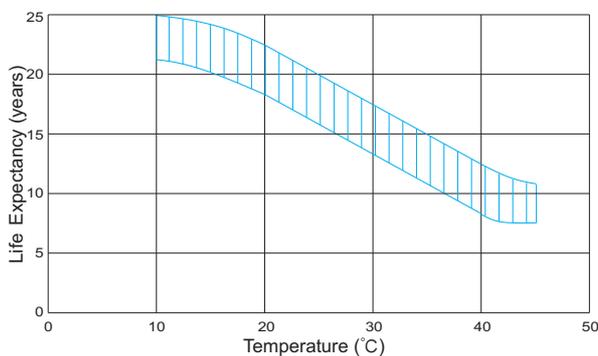
Temperature Effects on Capacity



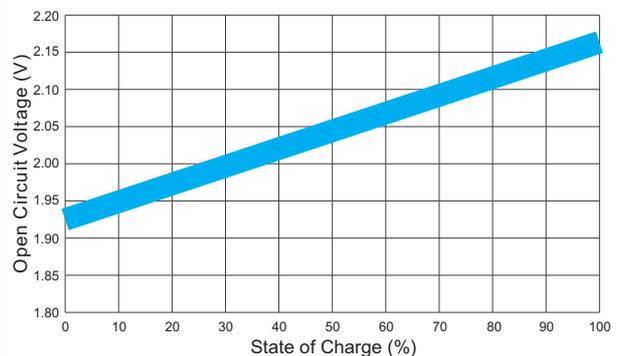
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DC2-2000 (2V2000Ah)



MJB

Specification

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	2000Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 106.0Kg (Tolerance±5%)
Internal Resistance	≤0.40 mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8)
Max. Discharge Current	7000A (5 sec)
Design Life	20 years
Max. Charging Current	400.0 A
Reference Capacity	C ₁ 1100.0Ah C ₃ 1500.0Ah C ₅ 1700.0Ah C ₁₀ 2000.0Ah
Float Charging Voltage	2.27 V~2.30 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.43 V~2.47 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	MJB 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.



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharge. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offer 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment, V, telecom, broadband and cable TV, UPS systems etc.



ISO 9001



ISO 14001



ISO 45001

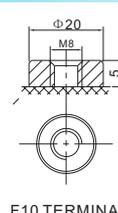
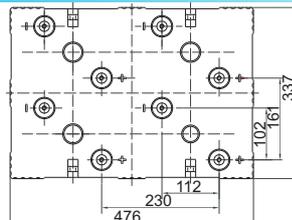
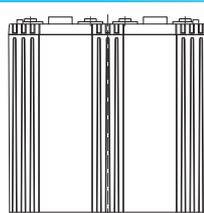
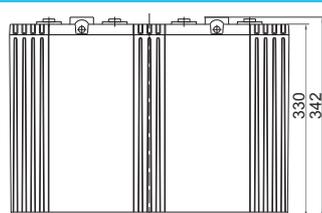


MH 28539



BSTXD210316008501EC

Dimensions



F10 TERMINAL

Length	476±2mm (18.7 inches)
Width	337±2mm (13.3 inches)
Height	330±2mm (13.0 inches)
Total Height	342±2mm (13.5 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit:: mm

Constant Current Discharge Characteristics : A(25°C)

F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	1915	1222	752.5	564.1	454.1	377.3	253.6	211.0
1.65V	1838	1180	728.5	546.7	441.8	367.5	250.7	208.4
1.70V	1757	1142	704.5	531.8	429.8	358.0	246.9	205.3
1.75V	1680	1100	679.9	516.0	418.8	349.0	243.5	202.6
1.80V	1605	1058	655.6	500.0	406.7	340.0	239.3	200.0
1.85V	1383	948.8	600.7	462.2	378.1	317.0	224.7	188.3

Constant Power Discharge Characteristics : W/Cell (25°C)

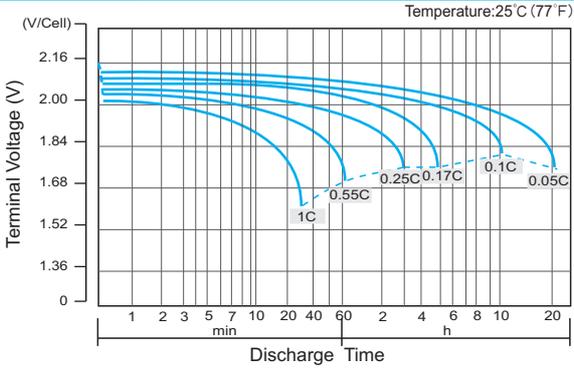
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	3478	2296	1426	1077	871.8	727.3	495.2	414.8
1.65V	3374	2230	1387	1049	851.3	711.1	490.7	410.3
1.70V	3258	2171	1349	1025	831.3	695.0	484.2	404.6
1.75V	3146	2105	1308	998.2	813.1	679.9	478.5	399.8
1.80V	3037	2036	1268	971.2	792.6	664.7	471.4	395.2
1.85V	2642	1837	1168	901.8	739.5	621.9	443.6	372.6

(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.

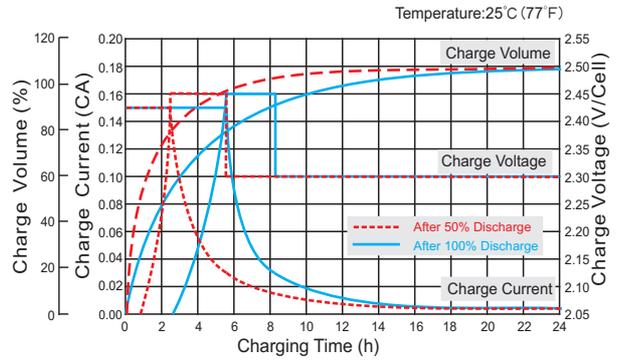
DC2-2000(2V2000Ah)



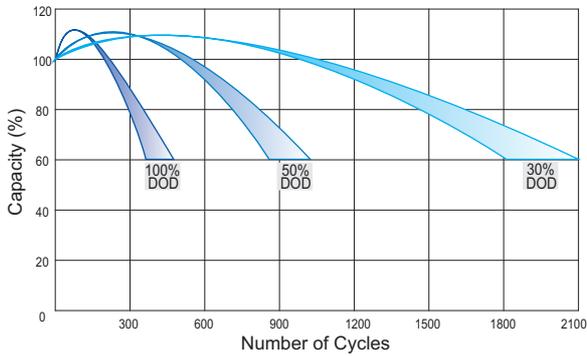
Discharge Characteristics Curve



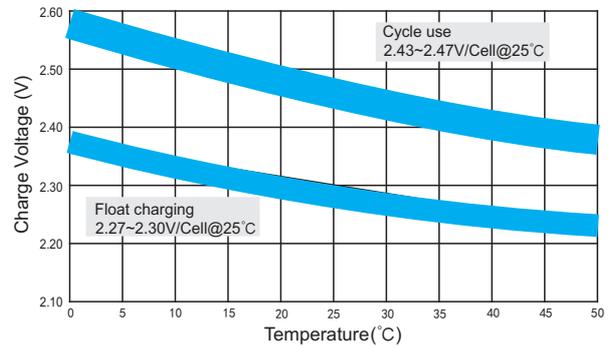
Charge Characteristic Curve for Cycle Use(IUU)



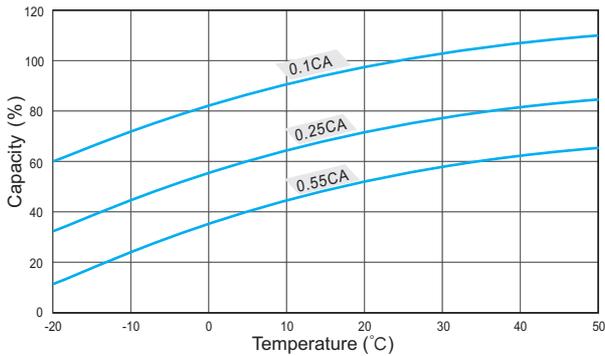
Cycle Life in Relation to Depth of Discharge



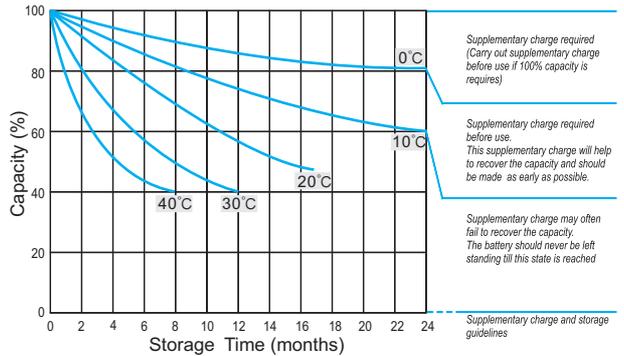
Relationship Between Charging Voltage and Temperature



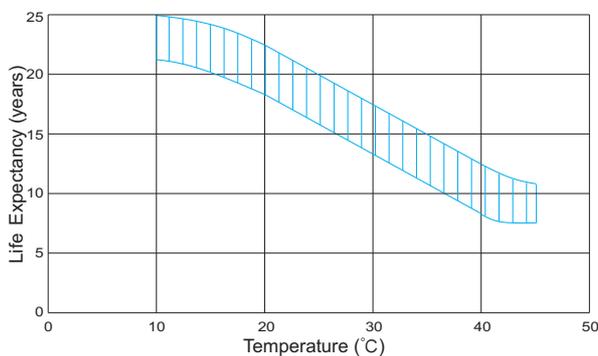
Temperature Effects on Capacity



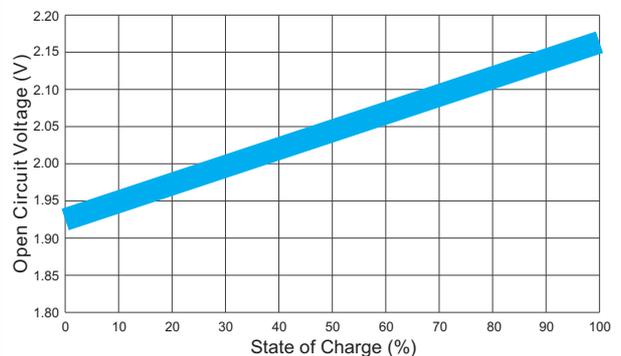
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DC2-1500 (2V1500Ah)



MJB

Specification

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	1500Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 80.0Kg (Tolerance ±5%)
Internal Resistance	≤0.50 mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8)
Max. Discharge Current	6000A (5 sec)
Design Life	20 years
Max. Charging Current	300.0 A
Reference Capacity	C ₁ 825.0Ah C ₃ 1125.0Ah C ₅ 1275.0Ah C ₁₀ 1500.0Ah
Float Charging Voltage	2.27 V~2.30 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.43 V~2.47 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	MJB 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.



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharge. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offer 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment, V, telecom, broadband and cable TV, UPS systems etc.



ISO 9001

ISO 14001

ISO 45001

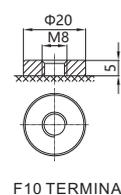
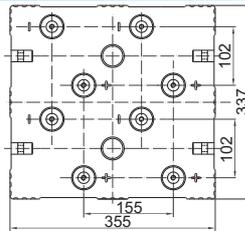
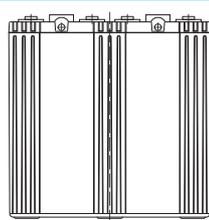
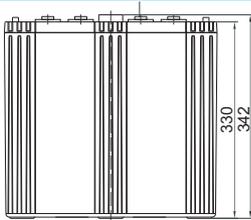


MH 28539



BSTXD210316008501EC

Dimensions



F10 TERMINAL

Length	355±2mm (14.0 inches)
Width	337±2mm (13.3 inches)
Height	330±2mm (13.0 inches)
Total Height	342±2mm (13.5 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

Constant Current Discharge Characteristics : A(25°C)

F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	1436	916.5	553.1	423.1	333.8	283.0	186.4	158.2
1.65V	1379	885.1	535.5	410.0	324.7	275.6	184.3	156.3
1.70V	1318	856.3	517.8	398.9	315.9	268.5	181.4	154.0
1.75V	1260	825.0	499.7	387.0	307.8	261.7	178.9	151.9
1.80V	1204	793.4	481.8	375.0	299.0	255.0	175.9	150.0
1.85V	1037	711.6	441.5	346.7	277.9	237.8	165.1	141.2

Constant Power Discharge Characteristics : W/Cell (25°C)

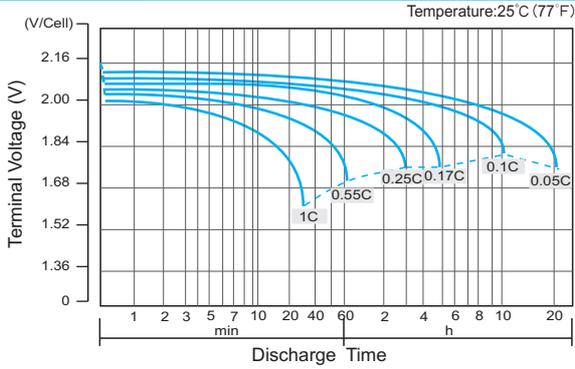
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	2609	1722	1048	808.1	640.7	545.5	364.0	311.1
1.65V	2531	1673	1020	786.4	625.7	533.3	360.7	307.7
1.70V	2443	1628	991.6	768.4	611.0	521.3	355.9	303.5
1.75V	2359	1578	961.4	748.7	597.6	509.9	351.7	299.8
1.80V	2278	1527	931.7	728.4	582.6	498.5	346.5	296.4
1.85V	1981	1378	858.3	676.4	543.5	466.4	326.0	279.4

(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.

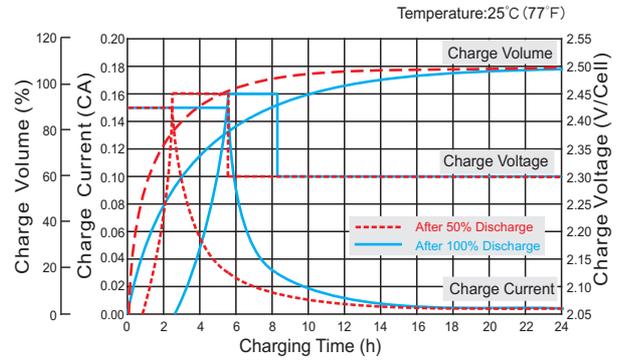
DC2-1500(2V1500Ah)



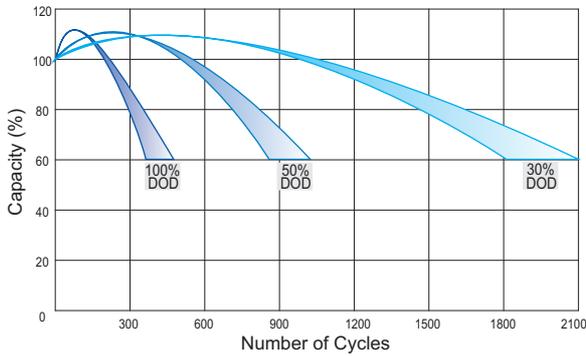
Discharge Characteristics Curve



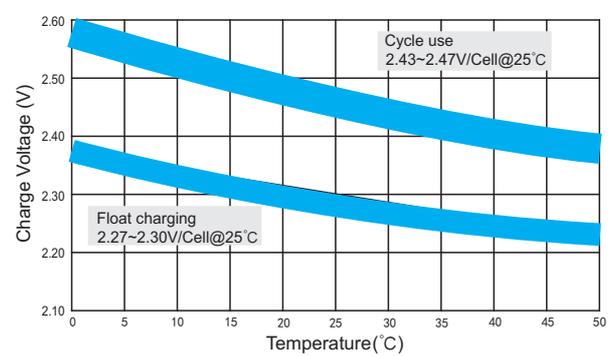
Charge Characteristic Curve for Cycle Use(IUU)



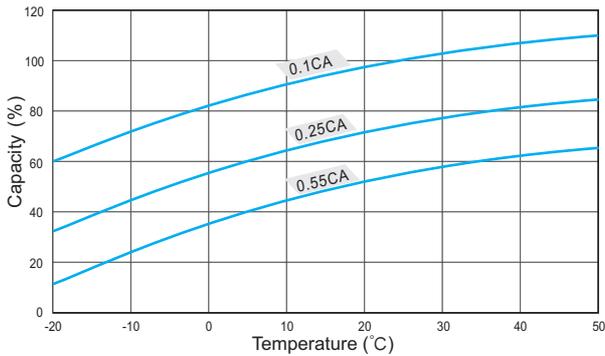
Cycle Life in Relation to Depth of Discharge



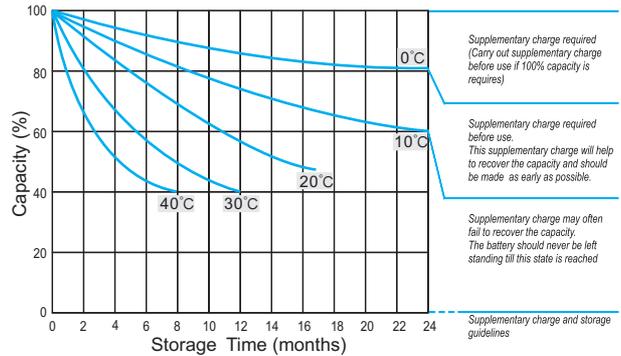
Relationship Between Charging Voltage and Temperature



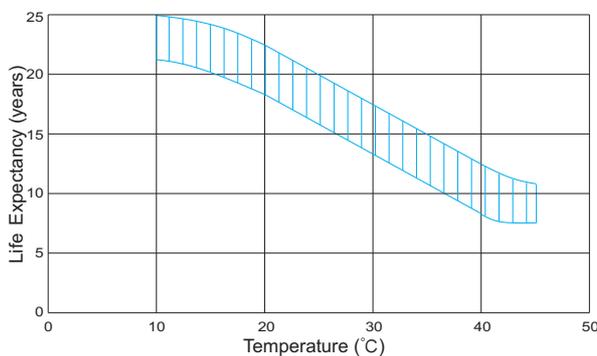
Temperature Effects on Capacity



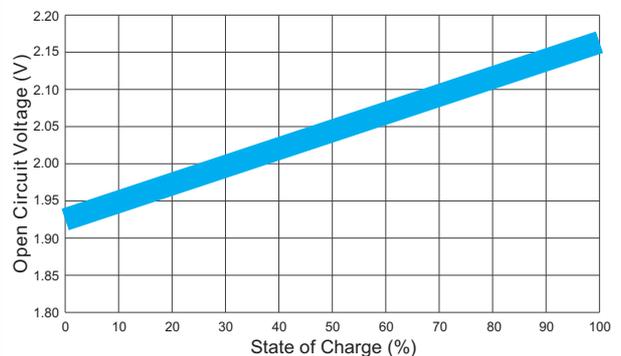
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DC2-1000 (2V1000Ah)



MJB

Specification



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharge. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offer 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment, V, telecom, broadband and cable TV, UPS systems etc.



ISO 9001



ISO 14001



ISO 45001



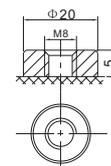
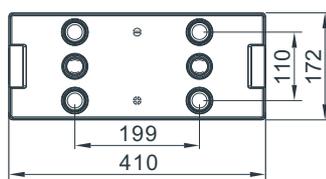
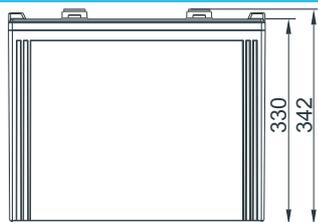
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Cells Per Unit	1
Voltage Per Unit	2V
Capacity	1000Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 51.0Kg (Tolerance ±5%)
Internal Resistance	≤0.55 mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8)
Max. Discharge Current	4000A (5 sec)
Design Life	20 years
Max. Charging Current	200.0 A
Reference Capacity	C ₁ 550.0Ah C ₃ 750.0Ah C ₅ 850.0Ah C ₁₀ 1000.0Ah
Float Charging Voltage	2.27 V~2.30 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.43 V~2.47 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	MJB 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



F10 TERMINAL

Length	410±2mm (16.1 inches)
Width	172±2mm (6.77 inches)
Height	330±2mm (13.0 inches)
Total Height	342±2mm (13.5 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

Constant Current Discharge Characteristics : A(25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	1461	957.5	611.0	376.3	282.0	227.0	188.7	126.8	105.5
1.65V	1369	919.2	590.0	364.3	273.3	220.9	183.8	125.4	104.2
1.70V	1282	878.6	570.9	352.3	265.9	214.9	179.0	123.4	102.6
1.75V	1193	839.8	550.0	339.9	258.0	209.4	174.5	121.7	101.3
1.80V	1102	802.6	529.0	327.8	250.0	203.4	170.0	119.6	100.0
1.85V	914.4	691.3	474.4	300.3	231.1	189.0	158.5	112.3	94.13

Constant Power Discharge Characteristics : W/Cell (25°C)

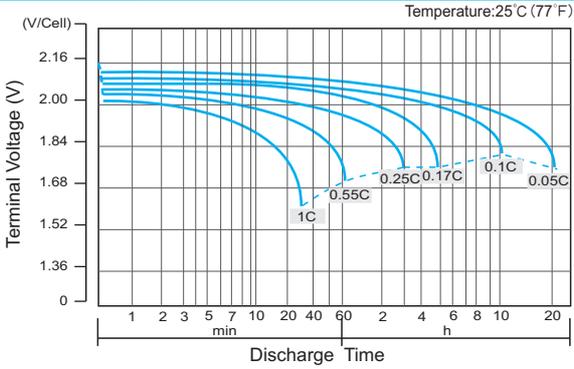
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
1.60V	2555	1739.1	1148	713.1	538.7	435.9	363.7	247.6	207.4
1.65V	2429	1687.1	1115	693.7	524.3	425.7	355.5	245.4	205.1
1.70V	2309	1628.8	1086	674.6	512.3	415.7	347.5	242.1	202.3
1.75V	2180	1572.8	1052	654.0	499.1	406.6	339.9	239.2	199.9
1.80V	2041	1518.4	1018	633.8	485.6	396.3	332.3	235.7	197.6
1.85V	1718	1321	918.6	583.9	450.9	369.7	310.9	221.8	186.3

(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.

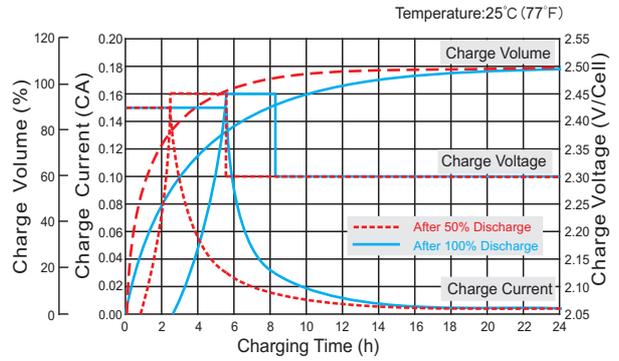
DC2-1000(2V1000Ah)



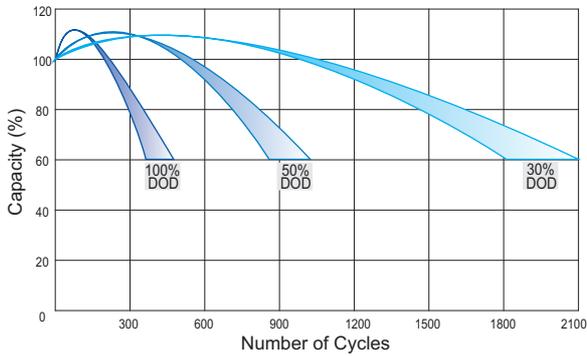
Discharge Characteristics Curve



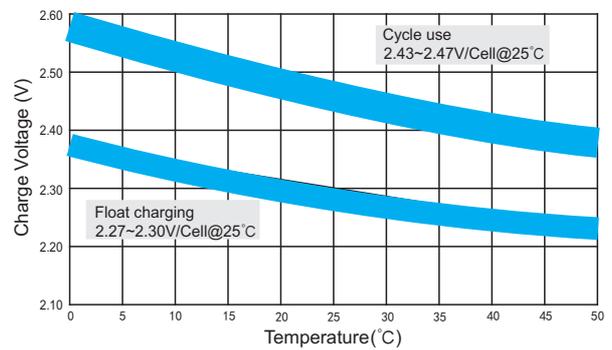
Charge Characteristic Curve for Cycle Use(IUU)



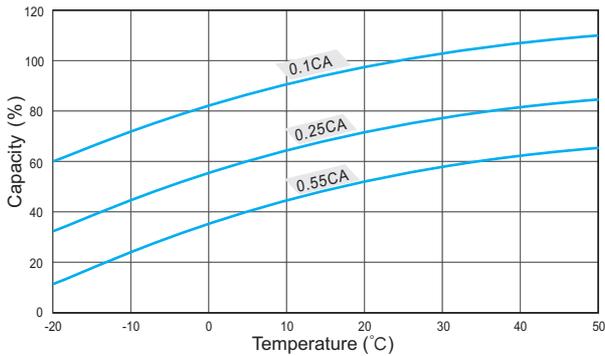
Cycle Life in Relation to Depth of Discharge



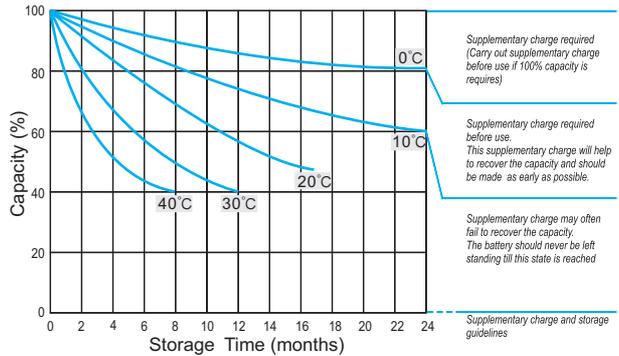
Relationship Between Charging Voltage and Temperature



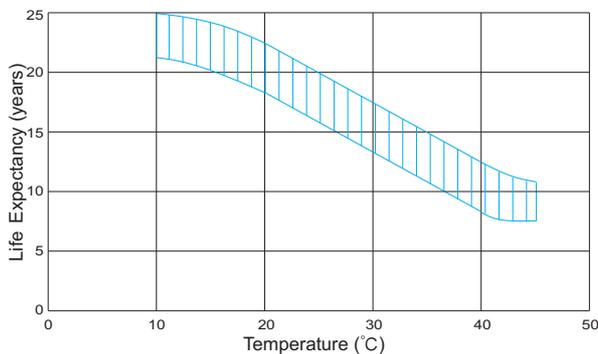
Temperature Effects on Capacity



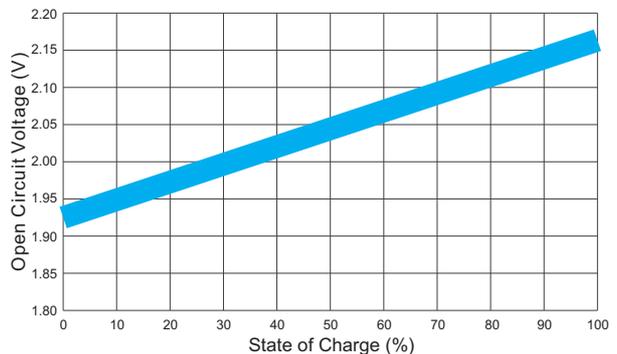
Storage Characteristics



Effect of Temperature on Long Term Life



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



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