

DG6-280(6V280Ah)



MJB

Specification

Cells Per Unit	3
Voltage Per Unit	6V
Capacity	280Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 41.7 Kg (Tolerance ±5%)
Internal Resistance	≤3.0 mΩ (Full Charge Condition @25°C)
Terminal	Default F14(M8)
Max. Discharge Current	2800A (5 sec)
Design Life	15 years
Max. Charging Current	56.0 A
Reference Capacity	C ₃ 185.1Ah C ₅ 210.0Ah C ₁₀ 246.0Ah C ₂₀ 280.0Ah
Float Charging Voltage	6.69 V~6.75 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	7.10 V~7.20 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DG (Deep Cycle GEL) series is pure GEL battery with 15 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



ISO 9001



ISO 14001



ISO 45001

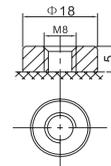
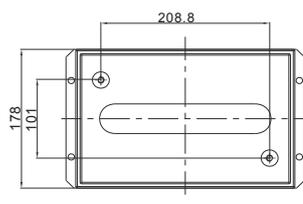
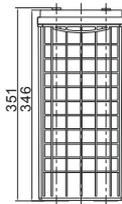
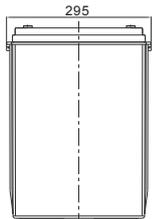


MH 28539



BSTXD210316008519EC

Dimensions



F14 TERMINAL

Length	295±2mm (11.6 inches)
Width	178±2mm (7.01 inches)
Height	346±2mm (13.6 inches)
Total Height	351±2mm (13.8 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	20HR
1.60V	371.8	243.9	152.1	92.9	69.6	55.6	46.6	31.5	26.0	14.6
1.65V	355.4	234.2	146.8	89.9	67.5	54.1	45.4	31.2	25.7	14.3
1.70V	332.9	223.8	142.1	87.0	65.7	52.6	44.2	30.7	25.3	14.2
1.75V	309.8	213.9	136.9	83.9	63.7	51.3	43.1	30.3	25.0	14.0
1.80V	286.0	204.5	131.6	80.9	61.7	49.8	42.0	29.7	24.6	13.9
1.85V	237.4	176.1	118.1	74.2	57.1	46.3	39.2	27.9	23.2	13.2

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

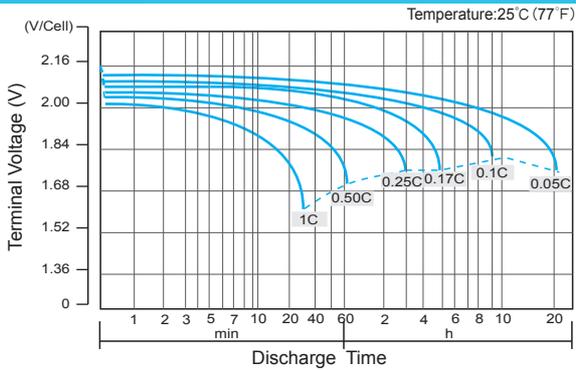
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	649.9	443.1	285.7	176.1	133.0	106.7	89.9	61.5	51.1	28.7
1.65V	624.7	429.0	278.0	171.3	129.8	104.2	87.9	60.9	50.5	28.3
1.70V	599.4	415.0	270.2	166.6	126.5	101.7	85.9	60.2	49.8	28.0
1.75V	565.9	400.7	261.9	161.5	123.3	99.5	84.0	59.5	49.3	27.7
1.80V	529.9	386.8	253.3	156.5	119.9	97.0	82.1	58.6	48.7	27.4
1.85V	446.0	336.5	228.6	144.2	111.3	90.5	76.8	55.1	45.9	26.1

(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.

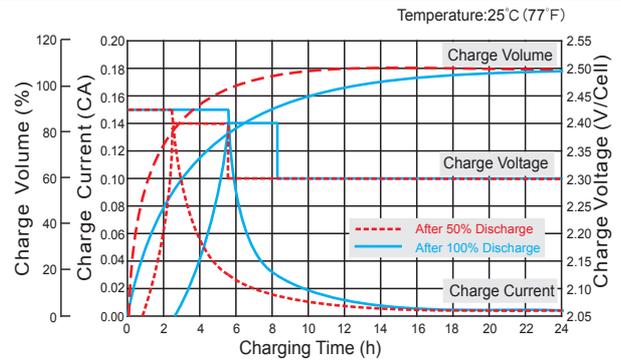
DG6-280(6V280Ah)



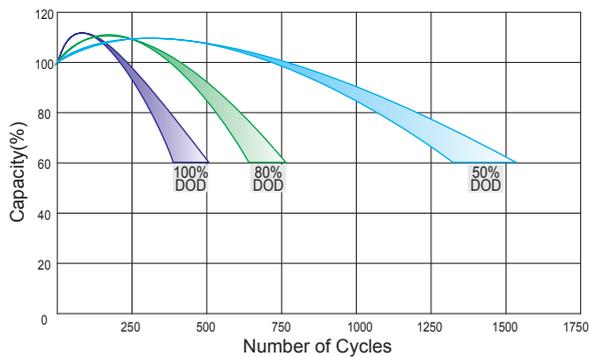
Discharge Characteristics Curve



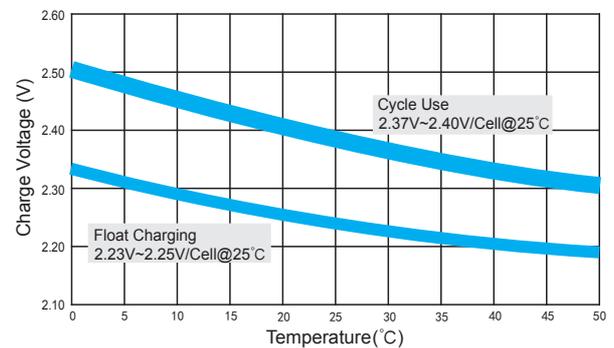
Charge Characteristic Curve for Cycle Use(IUU)



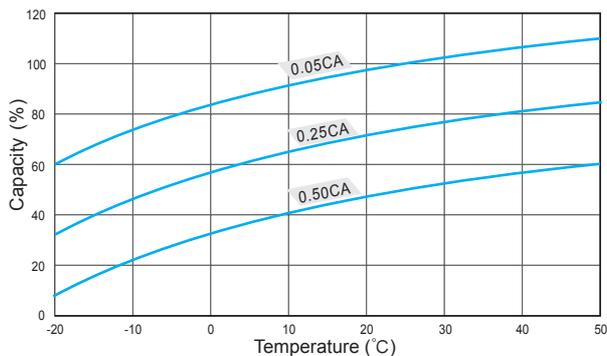
Cycle Life in Relation to Depth of Discharge



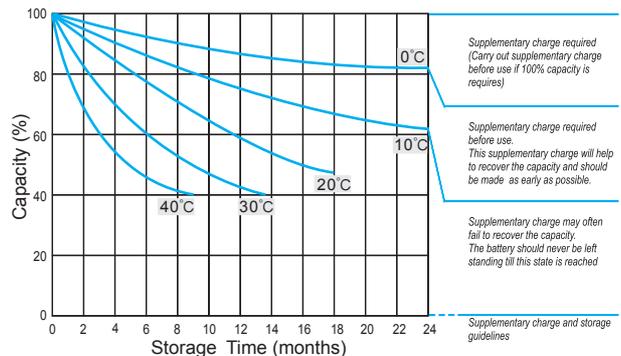
Relationship Between Charging Voltage and Temperature



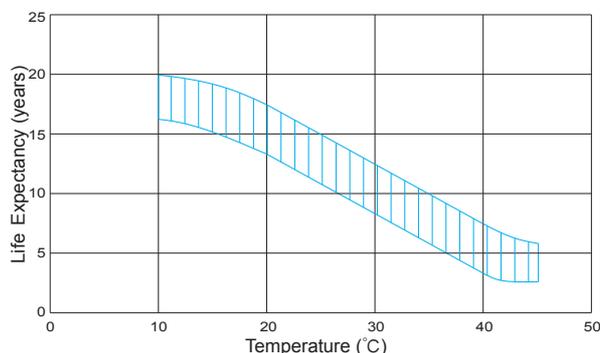
Temperature Effects on Capacity



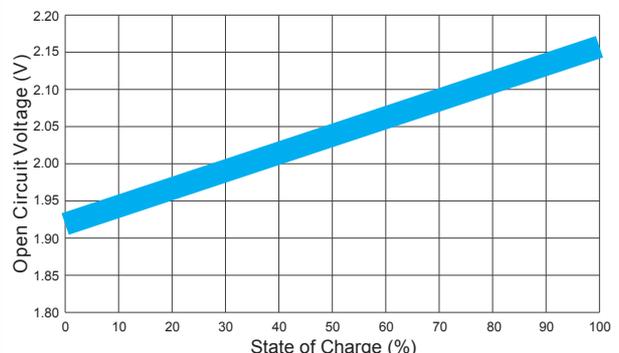
Storage Characteristics



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.

DG6-200(6V200Ah)



MJB

Specification

Cells Per Unit	3
Voltage Per Unit	6V
Capacity	200Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 28.0 Kg (Tolerance ±5%)
Internal Resistance	≤4.5 mΩ (Full Charge Condition @25°C)
Terminal	Default F14(M8), F16(M8) Optional
Max. Discharge Current	2000A (5 sec)
Design Life	15 years
Max. Charging Current	40.0 A
Reference Capacity	C ₃ 132.3Ah C ₅ 150.0Ah C ₁₀ 176.0Ah C ₂₀ 200.0Ah
Float Charging Voltage	6.69 V~6.75 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	7.10 V~7.20 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DG (Deep Cycle GEL) series is pure GEL battery with 15 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



ISO 9001

ISO 14001

ISO 45001

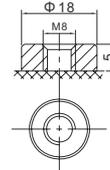
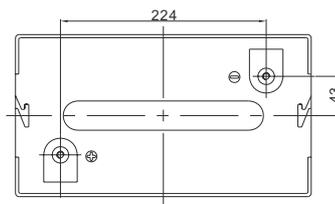
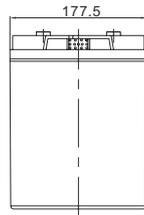
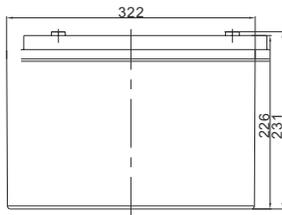


MH 28539



BSTXD210316008519EC

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	327.4	265.5	174.2	108.6	66.4	49.7	39.7	33.3	22.5	18.6	10.4
1.65V	309.4	253.9	167.3	104.9	64.2	48.2	38.6	32.4	22.3	18.3	10.2
1.70V	284.9	237.8	159.9	101.5	62.1	46.9	37.6	31.6	21.9	18.1	10.1
1.75V	260.7	221.3	152.8	97.8	60.0	45.5	36.6	30.8	21.6	17.8	10.0
1.80V	236.0	204.3	146.1	94.0	57.8	44.1	35.6	30.0	21.2	17.6	9.90
1.85V	192.9	169.5	125.8	84.3	53.0	40.8	33.0	28.0	19.9	16.6	9.40

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

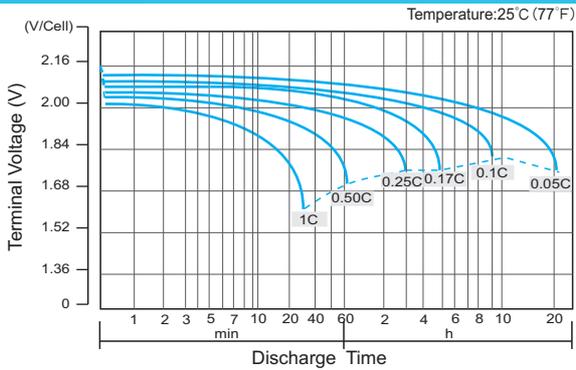
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	556.6	464.2	316.5	204.1	125.8	95.0	76.2	64.2	44.0	36.5	20.5
1.65V	529.6	446.2	306.4	198.5	122.4	92.7	74.4	62.8	43.5	36.1	20.2
1.70V	502.6	428.2	296.4	193.0	119.0	90.4	72.7	61.3	43.0	35.6	20.0
1.75V	468.3	404.2	286.2	187.1	115.4	88.0	71.1	60.0	42.5	35.2	19.8
1.80V	431.3	378.5	276.3	180.9	111.8	85.6	69.3	58.7	41.8	34.8	19.6
1.85V	358.8	318.6	240.4	163.3	103.0	79.5	64.6	54.9	39.4	32.8	18.6

(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 C₂₀ should reach 95% after the first cycle and 100% after the third cycle.

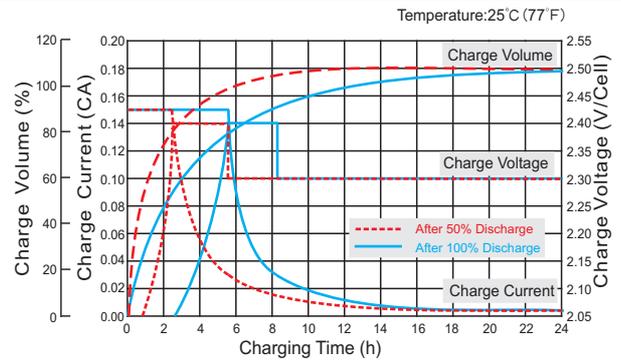
DG6-200(6V200Ah)



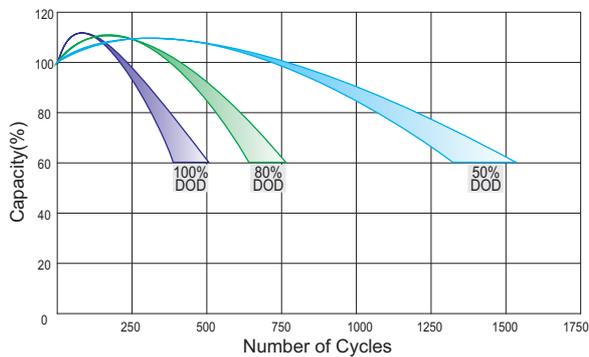
Discharge Characteristics Curve



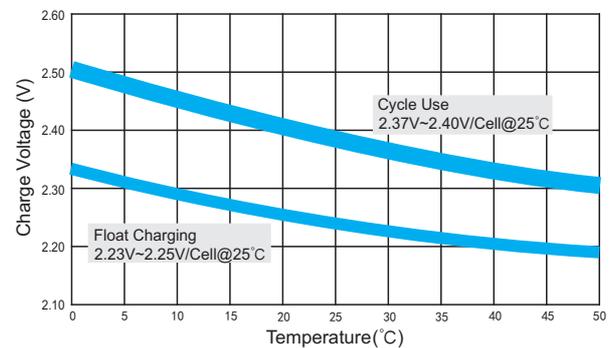
Charge Characteristic Curve for Cycle Use(IUU)



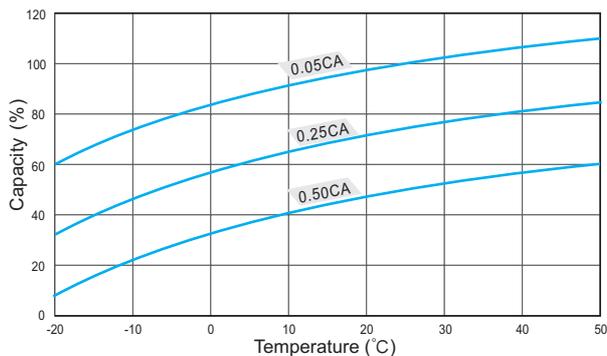
Cycle Life in Relation to Depth of Discharge



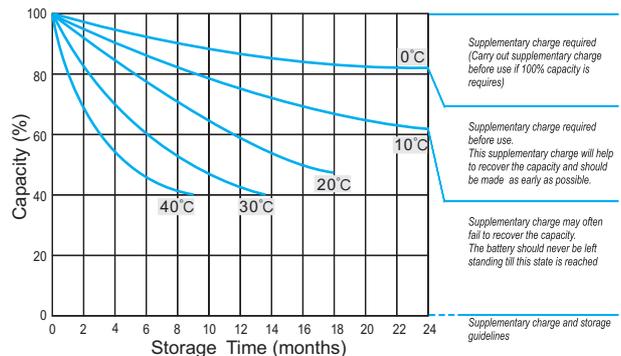
Relationship Between Charging Voltage and Temperature



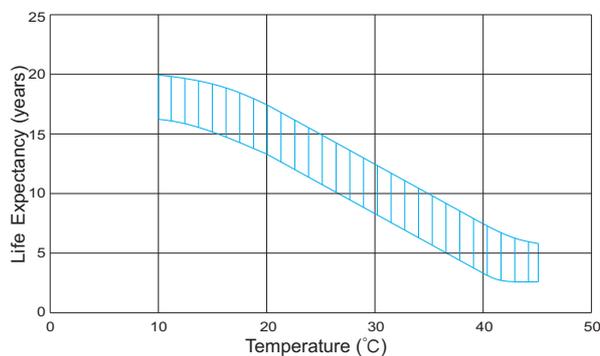
Temperature Effects on Capacity



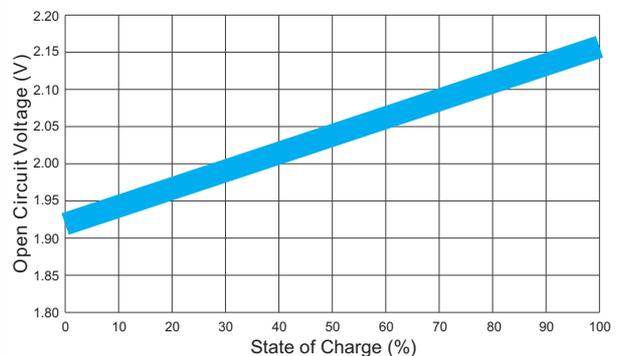
Storage Characteristics



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.

DG6-150(6V150Ah)



MJB

Specification

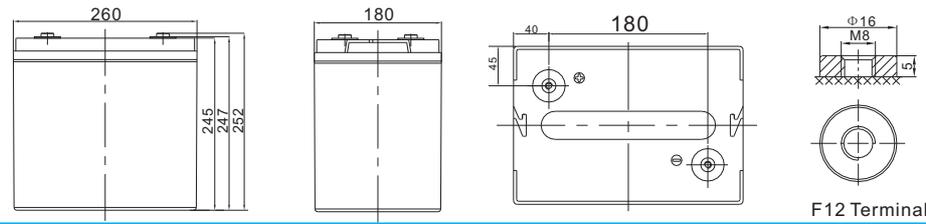
Cells Per Unit	3
Voltage Per Unit	6V
Capacity	150Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 22.5 Kg (Tolerance ±5%)
Internal Resistance	≤5.0 mΩ (Full Charge Condition @25°C)
Terminal	Default F12(M8)
Max. Discharge Current	1500A (5 sec)
Design Life	15 years
Max. Charging Current	30.0 A
Reference Capacity	C ₃ 99.3Ah C ₅ 112.5Ah C ₁₀ 132.0Ah C ₂₀ 150.0Ah
Float Charging Voltage	6.69 V~6.75 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	7.10 V~7.20 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



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Dimensions



Length	260±2mm (10.2 inches)
Width	180±2mm (7.09 inches)
Height	245±2mm (9.65 inches)
Total Height	252±2mm (9.92 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	245.6	199.2	130.7	81.5	49.8	37.3	29.8	25.0	16.9	13.9	7.81
1.65V	232.1	190.4	125.5	78.7	48.2	36.2	29.0	24.3	16.7	13.8	7.68
1.70V	213.6	178.3	119.9	76.1	46.6	35.2	28.2	23.7	16.4	13.5	7.59
1.75V	195.6	166.0	114.6	73.3	45.0	34.1	27.5	23.1	16.2	13.4	7.50
1.80V	177.0	153.2	109.5	70.5	43.4	33.1	26.7	22.5	15.9	13.2	7.42
1.85V	144.7	127.2	94.3	63.2	39.7	30.6	24.8	21.0	15.0	12.4	7.05

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

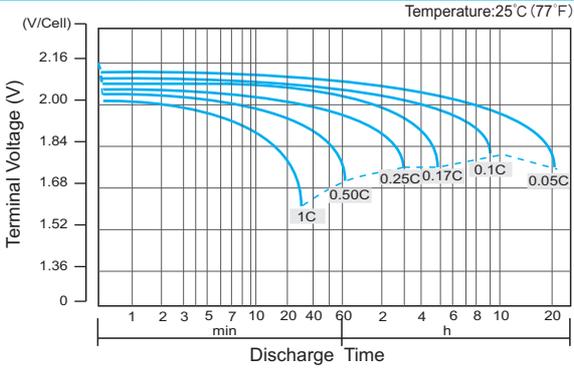
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	417.4	348.2	237.4	153.1	94.3	71.3	57.2	48.1	33.0	27.4	15.4
1.65V	397.2	334.6	229.8	148.9	91.8	69.5	55.8	47.1	32.6	27.0	15.2
1.70V	376.9	321.1	222.3	144.7	89.2	67.8	54.5	46.0	32.2	26.7	15.0
1.75V	351.3	303.2	214.7	140.3	86.5	66.0	53.3	45.0	31.9	26.4	14.8
1.80V	323.5	283.9	207.2	135.7	83.8	64.2	52.0	44.0	31.4	26.1	14.7
1.85V	269.1	238.9	180.3	122.5	77.2	59.7	48.5	41.2	29.5	24.6	14.0

(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 C₂₀ should reach 95% after the first cycle and 100% after the third cycle.

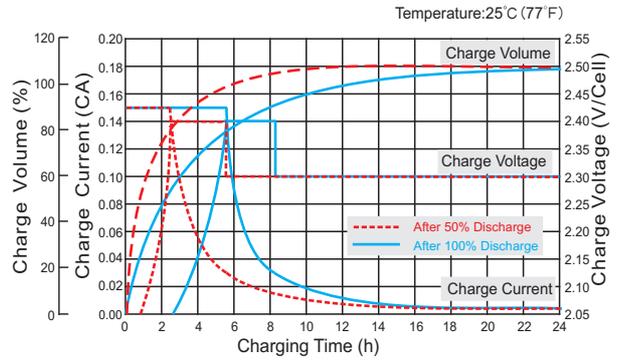
DG6-150(6V150Ah)



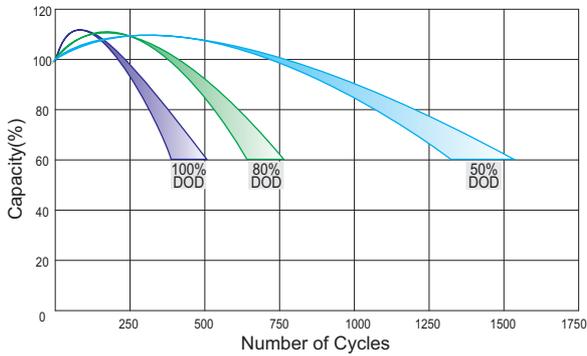
Discharge Characteristics Curve



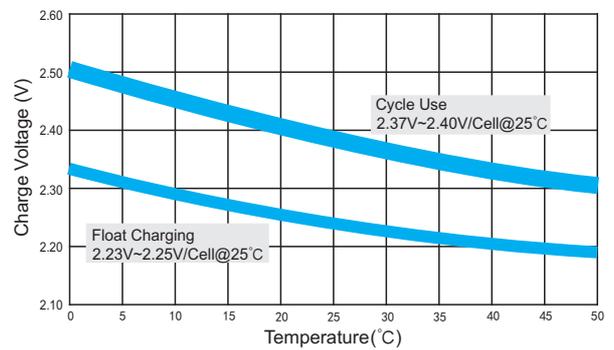
Charge Characteristic Curve for Cycle Use(IUU)



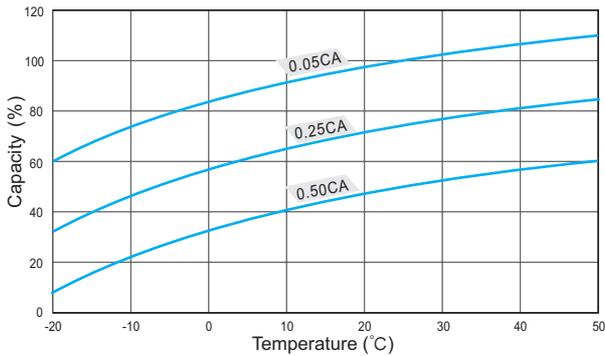
Cycle Life in Relation to Depth of Discharge



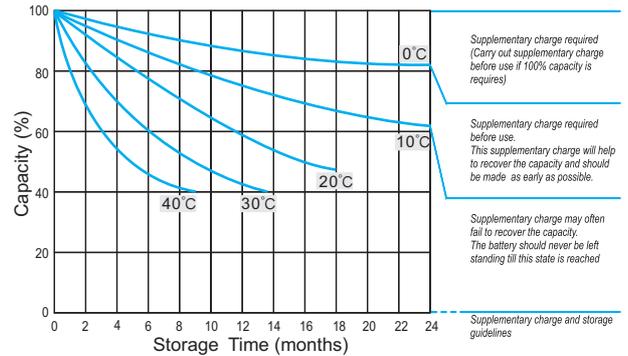
Relationship Between Charging Voltage and Temperature



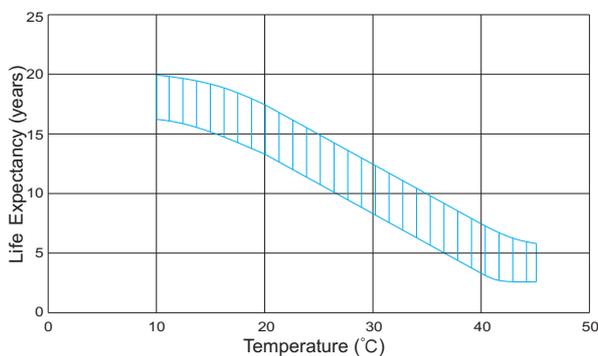
Temperature Effects on Capacity



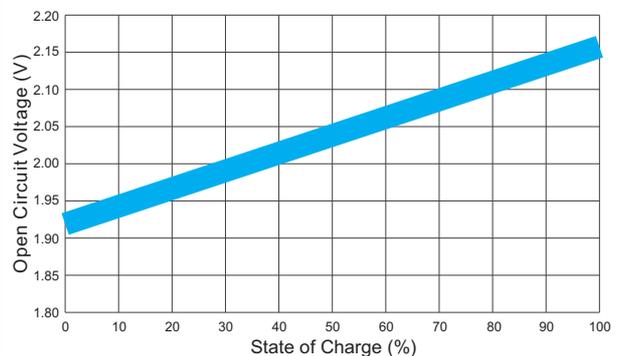
Storage Characteristics



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.

DG6-100(6V100Ah)



MJB

Specification



DG (Deep Cycle GEL) series is pure GEL battery with 15 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



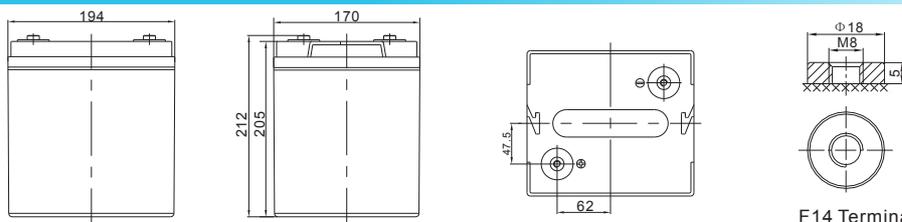
ISO 9001 ISO 14001 ISO 45001



MH 28539 BSTXD210316008519EC

Cells Per Unit	3
Voltage Per Unit	6V
Capacity	100Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 16.5 Kg (Tolerance ±5%)
Internal Resistance	≤7.0 mΩ (Full Charge Condition @25°C)
Terminal	Default F14(M8)
Max. Discharge Current	1000A (5 sec)
Design Life	15 years
Max. Charging Current	20.0 A
Reference Capacity	C ₃ 66.0Ah C ₅ 75.0Ah C ₁₀ 88.0Ah C ₂₀ 100.0Ah
Float Charging Voltage	6.69 V~6.75 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	7.10 V~7.20 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.

Dimensions



Length	194±2mm (7.64 inches)
Width	170±2mm (6.69 inches)
Height	205±2mm (8.07 inches)
Total Height	212±2mm (8.35 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

F14 Terminal

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	163.7	132.8	87.1	54.3	33.2	24.9	19.8	16.7	11.3	9.28	5.20
1.65V	154.7	126.9	83.6	52.4	32.1	24.1	19.3	16.2	11.1	9.17	5.12
1.70V	142.4	118.9	79.9	50.7	31.1	23.5	18.8	15.8	11.0	9.03	5.06
1.75V	130.4	110.6	76.4	48.9	30.0	22.8	18.3	15.4	10.8	8.91	5.00
1.80V	118.0	102.2	73.0	47.0	28.9	22.0	17.8	15.0	10.6	8.80	4.95
1.85V	96.4	84.8	62.9	42.2	26.5	20.4	16.5	14.0	10.0	8.28	4.70

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

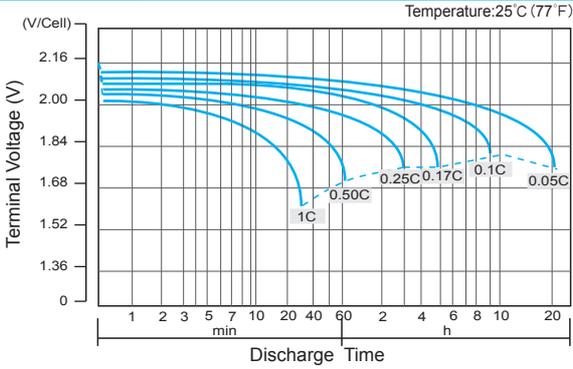
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	278.3	232.1	158.2	102.0	62.9	47.5	38.1	32.1	22.0	18.2	10.2
1.65V	264.8	223.1	153.2	99.3	61.2	46.3	37.2	31.4	21.7	18.0	10.1
1.70V	251.3	214.1	148.2	96.5	59.5	45.2	36.3	30.7	21.5	17.8	10.0
1.75V	234.2	202.1	143.1	93.5	57.7	44.0	35.5	30.0	21.2	17.6	9.88
1.80V	215.7	189.3	138.2	90.5	55.9	42.8	34.6	29.3	20.9	17.4	9.79
1.85V	179.4	159.3	120.2	81.6	51.5	39.8	32.3	27.4	19.7	16.4	9.31

(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.

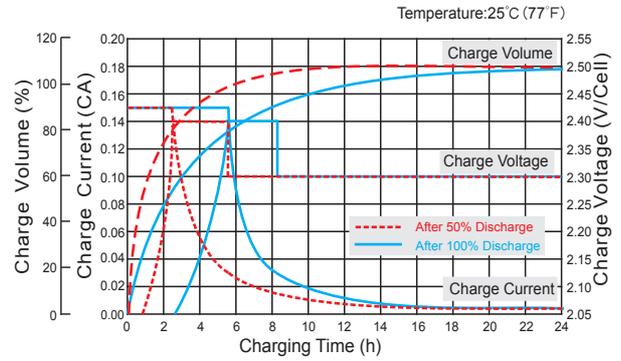
DG6-100(6V100Ah)



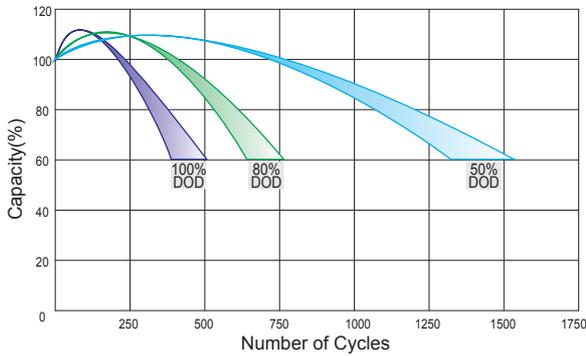
Discharge Characteristics Curve



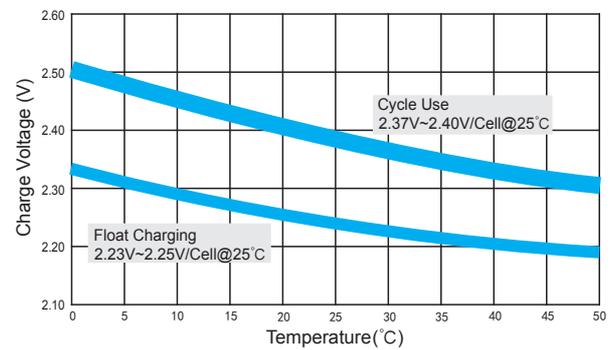
Charge Characteristic Curve for Cycle Use(IUU)



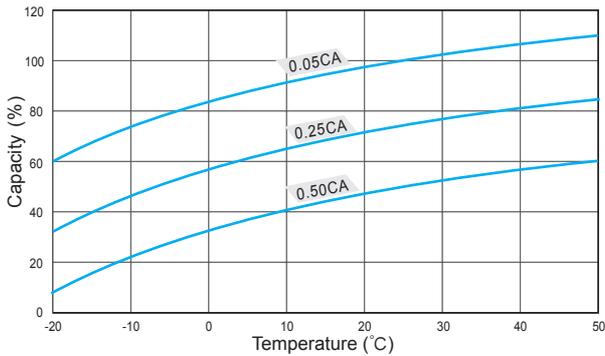
Cycle Life in Relation to Depth of Discharge



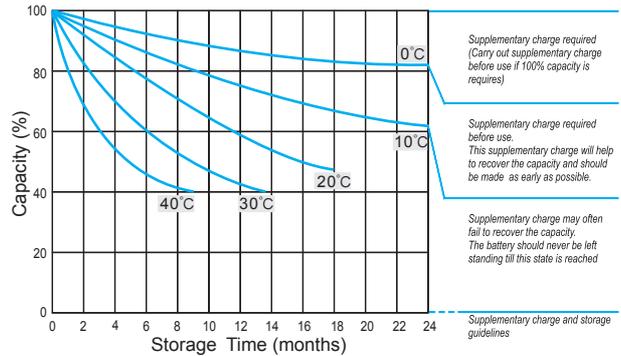
Relationship Between Charging Voltage and Temperature



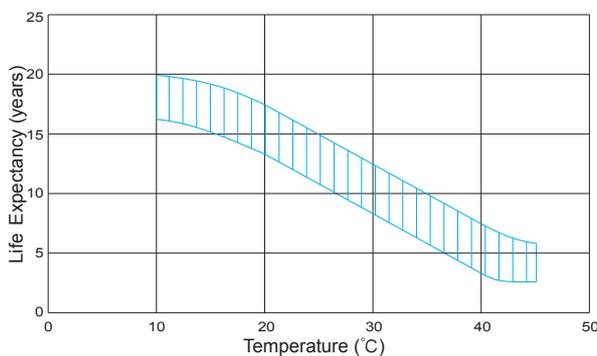
Temperature Effects on Capacity



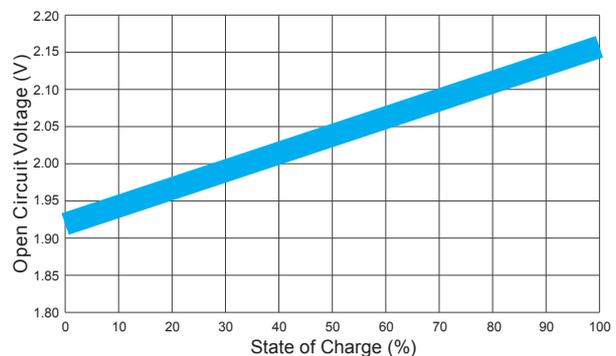
Storage Characteristics



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.

DG2-800(2V800Ah)



MJB

Specification



DG (Deep Cycle GEL) series is pure GEL battery with 20 years floating design life , it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



ISO 9001

ISO 14001

ISO 45001



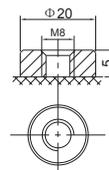
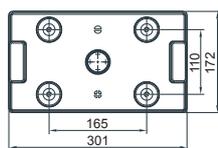
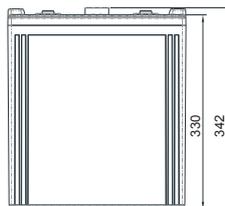
MH 28539



BSTXD210621094601EC

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	800Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 39.3 Kg (Tolerance ±5%)
Internal Resistance	≤0.77 mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8)
Max. Discharge Current	3200A (5 sec)
Design Life	20 years
Max. Charging Current	160.0 A
Reference Capacity	C ₃ 552.0Ah C ₅ 625.5Ah C ₁₀ 736.0Ah C ₂₀ 800.0Ah
Float Charging Voltage	2.23 V~2.25 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.37 V~2.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% 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	6HR	8HR	10HR	20HR
1.60V	939.7	727.6	454.1	295.1	215.6	165.6	132.5	120.0	97.9	76.5	42.3
1.65V	893.5	698.6	448.5	284.8	206.8	161.9	131.0	117.0	93.5	75.8	41.5
1.70V	833.3	658.4	440.2	280.4	201.7	158.2	128.8	114.1	92.0	75.1	40.8
1.75V	739.5	592.2	404.8	265.0	191.4	153.1	127.3	108.2	89.1	74.3	40.0
1.80V	636.9	539.4	381.9	252.4	184.0	147.2	125.1	106.7	87.6	73.6	39.2
1.85V	538.7	485.8	352.7	238.5	175.2	143.5	117.8	100.8	83.2	71.4	37.0

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

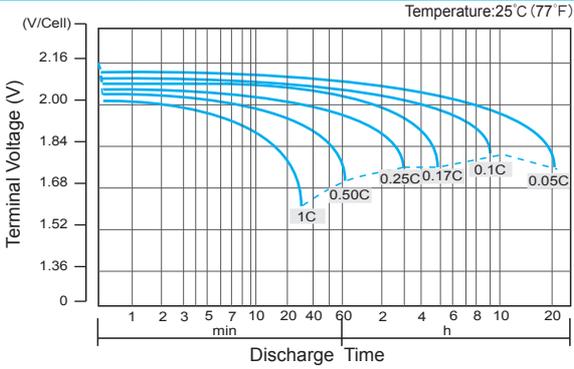
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	1618	1282	823.5	553.8	411.1	318.1	255.8	232.5	190.8	149.7	83.4
1.65V	1565	1247	820.9	537.2	395.8	312.2	253.8	227.5	182.7	148.6	82.0
1.70V	1484	1191	813.1	531.6	387.4	306.2	250.4	222.5	180.3	147.6	80.6
1.75V	1339	1085	754.5	504.8	369.0	297.3	248.3	211.7	175.1	146.5	79.2
1.80V	1172	1001	718.2	483.4	356.2	286.9	244.9	209.5	172.6	145.4	77.8
1.85V	1007	913.2	669.3	459.0	340.4	280.7	231.2	198.5	164.4	141.4	73.4

(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 C₂₀ should reach 95% after the first cycle and 100% after the third cycle.

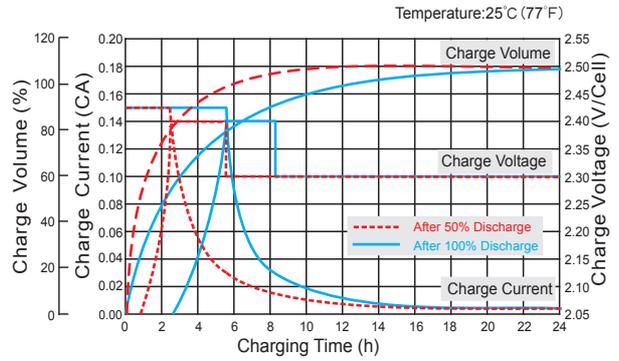
DG2-800(2V800Ah)



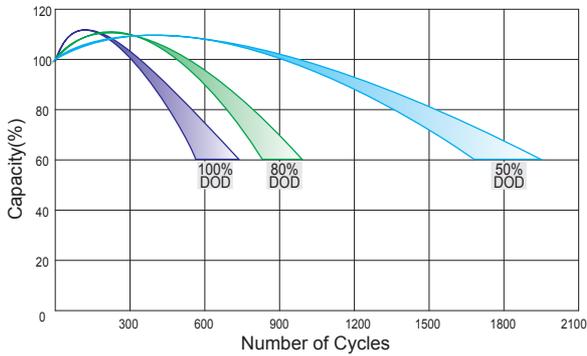
Discharge Characteristics Curve



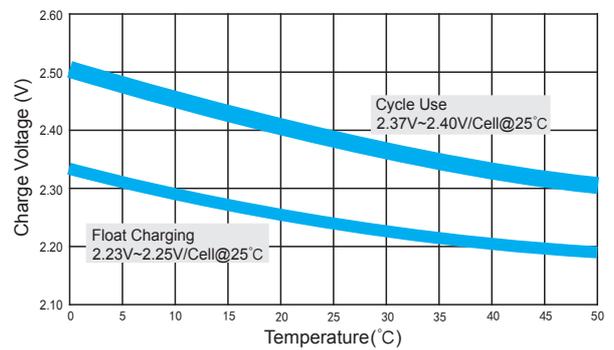
Charge Characteristic Curve for Cycle Use(IUU)



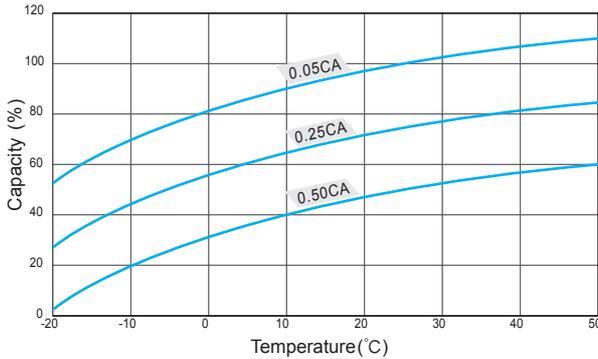
Cycle Life in Relation to Depth of Discharge



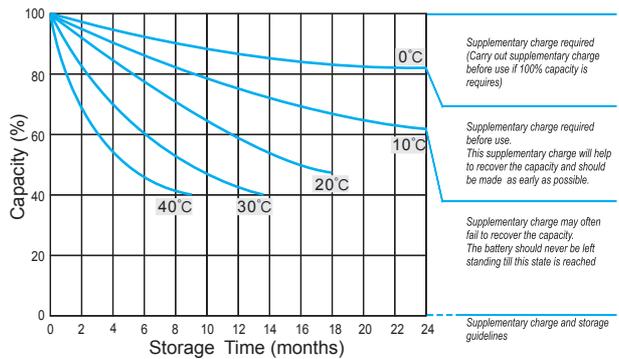
Relationship Between Charging Voltage and Temperature



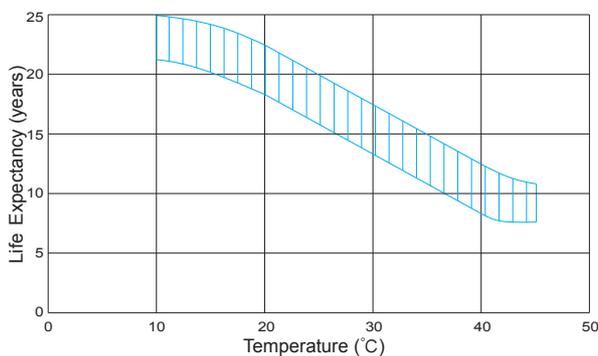
Temperature Effects on Capacity



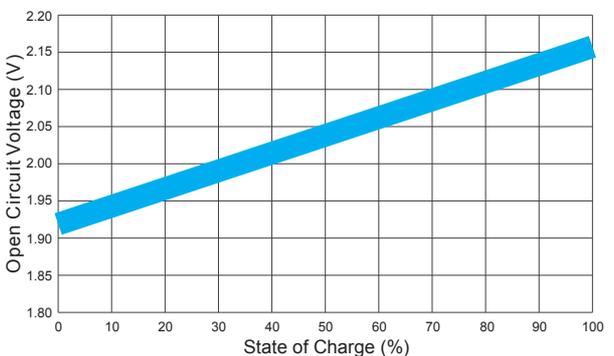
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DG2-600(2V600Ah)



MJB

Specification



DG (Deep Cycle GEL) series is pure GEL battery with 20 years floating design life , it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



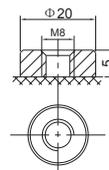
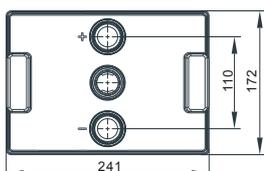
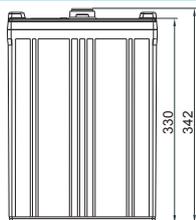
ISO 9001 ISO 14001 ISO 45001



MH 28539 BSTXD210621094601EC

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	600Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 30.2 Kg (Tolerance ±5%)
Internal Resistance	≤0.90 mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8)
Max. Discharge Current	2400A (5 sec)
Design Life	20 years
Max. Charging Current	120.0 A
Reference Capacity	C ₃ 414.0Ah C ₅ 469.0Ah C ₁₀ 552.0Ah C ₂₀ 600.0Ah
Float Charging Voltage	2.23 V~2.25 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.37 V~2.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.

Dimensions



F10 TERMINAL

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	6HR	8HR	10HR	20HR
1.60V	704.8	545.7	340.6	221.4	161.7	124.2	99.4	90.0	73.4	57.4	31.7
1.65V	670.2	524.0	336.4	213.6	155.1	121.4	98.3	87.8	70.1	56.9	31.1
1.70V	625.0	493.8	330.2	210.3	151.2	118.7	96.6	85.6	69.0	56.3	30.6
1.75V	554.7	444.2	303.6	198.7	143.5	114.8	95.5	81.1	66.8	55.8	30.0
1.80V	477.6	404.6	286.4	189.3	138.0	110.4	93.8	80.0	65.7	55.2	29.4
1.85V	404.0	364.4	264.5	178.8	131.4	107.6	88.3	75.6	62.4	53.5	27.7

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

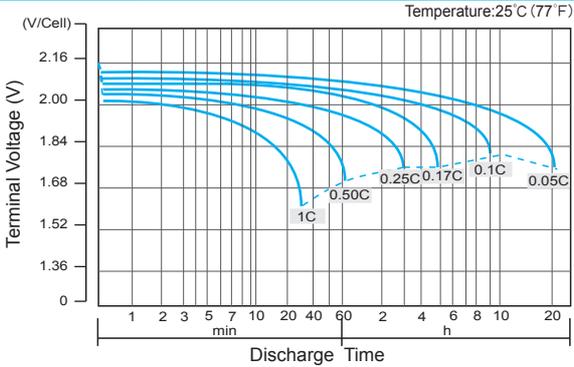
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	1214	961.5	617.6	415.3	308.3	238.6	191.8	174.4	143.1	112.3	62.5
1.65V	1174	935.5	615.7	402.9	296.8	234.1	190.3	170.7	137.0	111.5	61.5
1.70V	1113	893.3	609.8	398.7	290.5	229.6	187.8	166.9	135.3	110.7	60.5
1.75V	1004	813.9	565.9	378.6	276.8	223.0	186.2	158.8	131.3	109.9	59.4
1.80V	878.9	750.9	538.7	362.6	267.1	215.2	183.6	157.1	129.5	109.0	58.4
1.85V	755.3	684.9	502.0	344.2	255.3	210.5	173.4	148.9	123.3	106.0	55.1

(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.

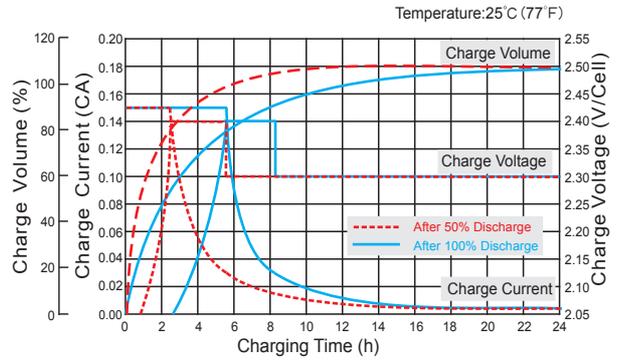
DG2-600(2V600Ah)



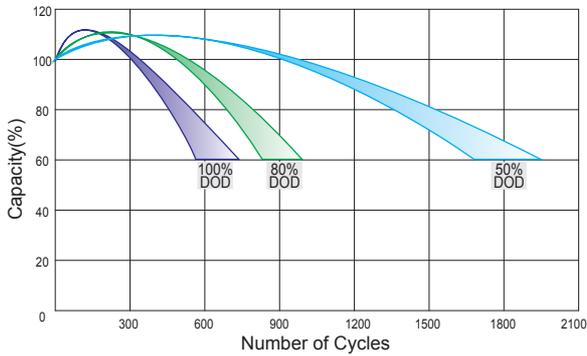
Discharge Characteristics Curve



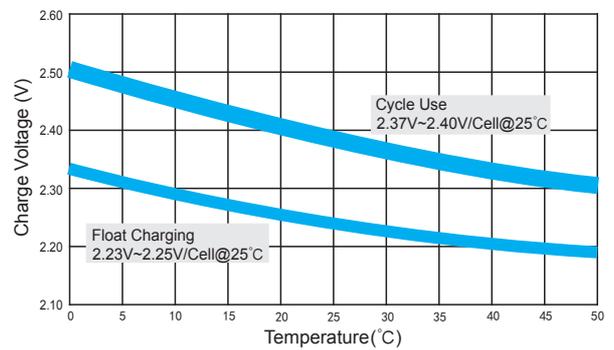
Charge Characteristic Curve for Cycle Use(IUU)



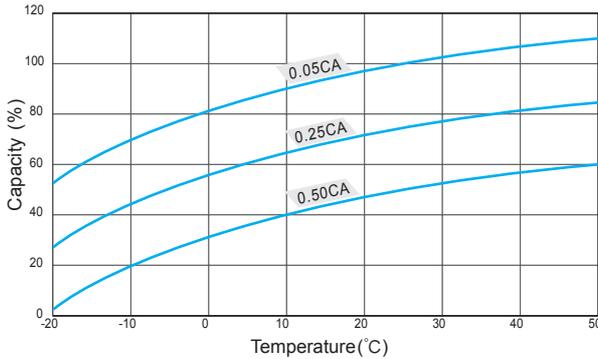
Cycle Life in Relation to Depth of Discharge



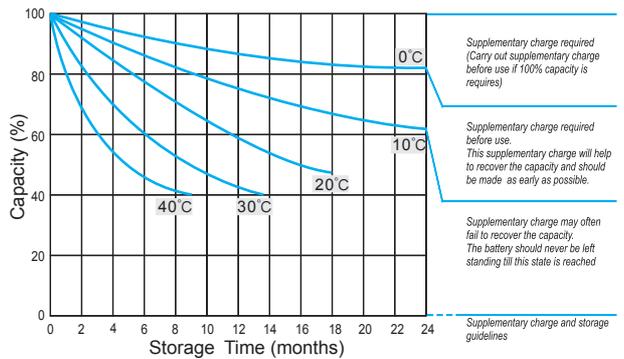
Relationship Between Charging Voltage and Temperature



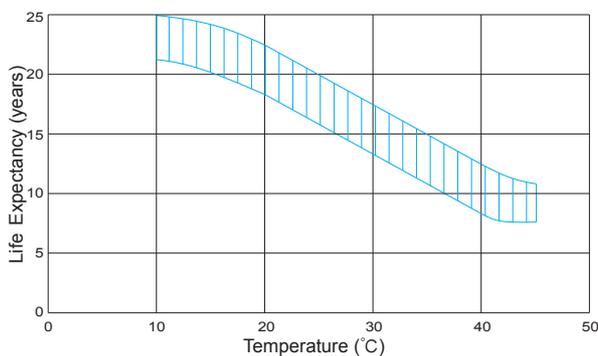
Temperature Effects on Capacity



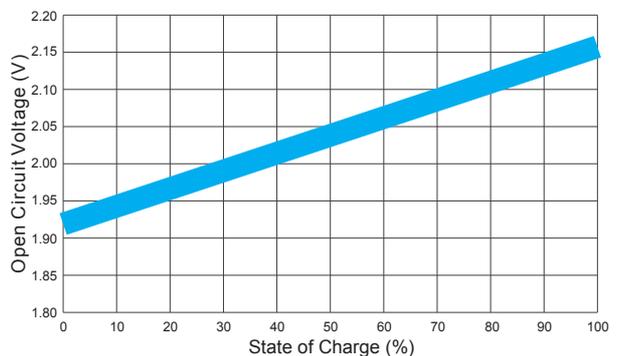
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DG2-500 (2V500Ah)



MJB

Specification



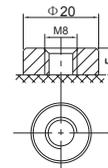
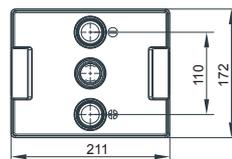
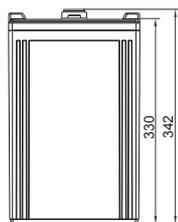
DG (Deep Cycle GEL) series is pure GEL battery with 20 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



Cells Per Unit	1
Voltage Per Unit	2V
Capacity	500Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 26.0 Kg (Tolerance ±5%)
Internal Resistance	≤0.90 mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8)
Max. Discharge Current	2500A (5 sec)
Design Life	20 years
Max. Charging Current	100.0 A
Reference Capacity	C ₃ 345.0Ah C ₅ 391.0Ah C ₁₀ 460.0Ah C ₂₀ 500.0Ah
Float Charging Voltage	2.23 V~2.25 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.37 V~2.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



Dimensions



F10 TERMINAL

Length	211±2mm (8.31 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	6HR	8HR	10HR	20HR
1.60V	587.3	454.8	283.8	184.5	134.8	103.5	82.8	75.0	61.2	47.8	26.4
1.65V	558.5	436.6	280.3	178.0	129.3	101.2	81.9	73.1	58.4	47.4	25.9
1.70V	520.8	411.5	275.1	175.3	126.0	98.9	80.5	71.3	57.5	46.9	25.5
1.75V	462.2	370.1	253.0	165.6	119.6	95.7	79.6	67.6	55.7	46.5	25.0
1.80V	398.0	337.1	238.7	157.8	115.0	92.0	78.2	66.7	54.7	46.0	24.5
1.85V	336.7	303.6	220.5	149.0	109.5	89.7	73.6	63.0	52.0	44.6	23.1

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

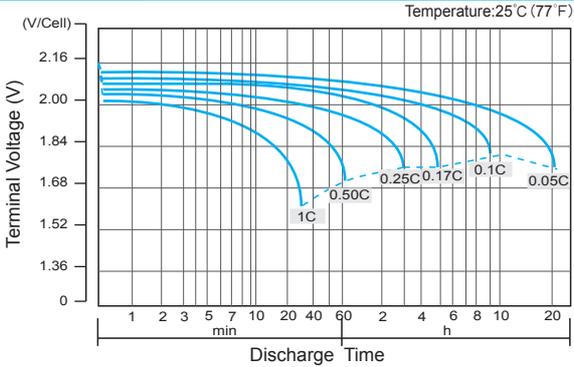
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	1011	801.2	514.7	346.1	256.9	198.8	159.8	145.3	119.2	93.6	52.1
1.65V	978.1	779.6	513.1	335.7	247.3	195.1	158.6	142.2	114.2	92.9	51.3
1.70V	927.5	744.4	508.2	332.2	242.1	191.4	156.5	139.1	112.7	92.2	50.4
1.75V	836.8	678.3	471.6	315.5	230.6	185.8	155.2	132.3	109.4	91.6	49.5
1.80V	732.4	625.7	448.9	302.1	222.6	179.3	153.0	130.9	107.9	90.9	48.6
1.85V	629.4	570.7	418.3	286.9	212.7	175.5	144.5	124.1	102.8	88.4	45.9

(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 C₂₀ should reach 95% after the first cycle and 100% after the third cycle.

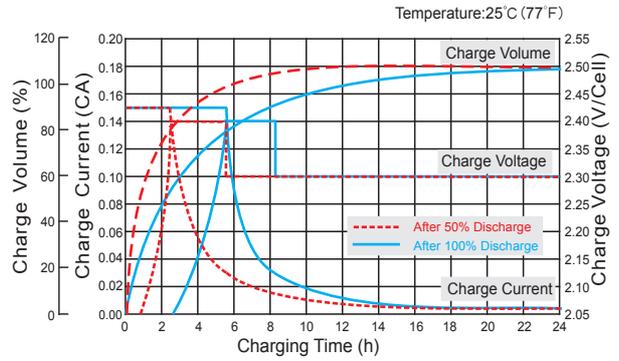
DG2-500(2V500Ah)



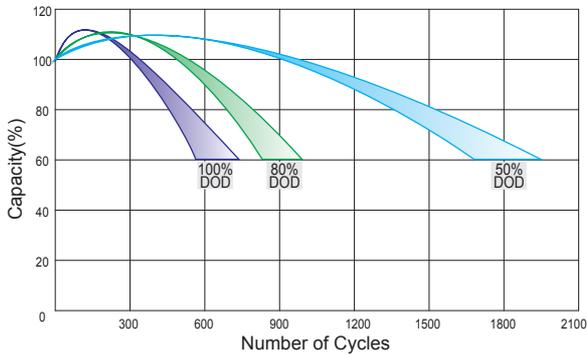
Discharge Characteristics Curve



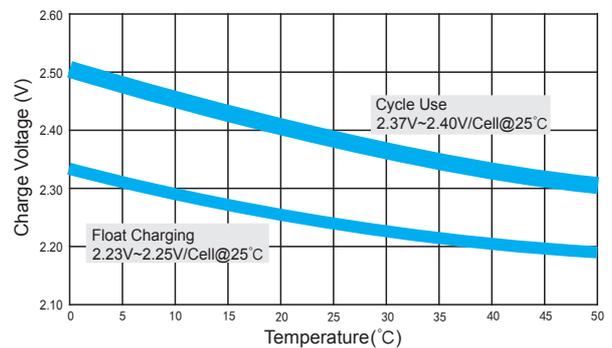
Charge Characteristic Curve for Cycle Use(IUU)



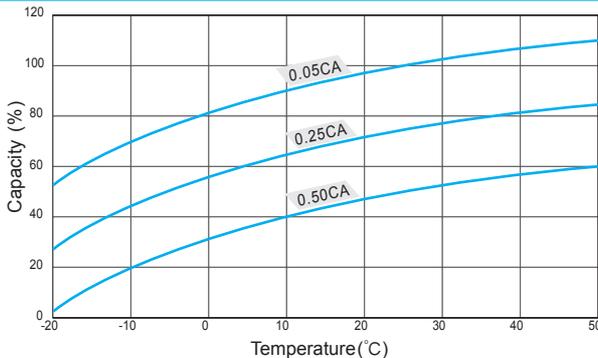
Cycle Life in Relation to Depth of Discharge



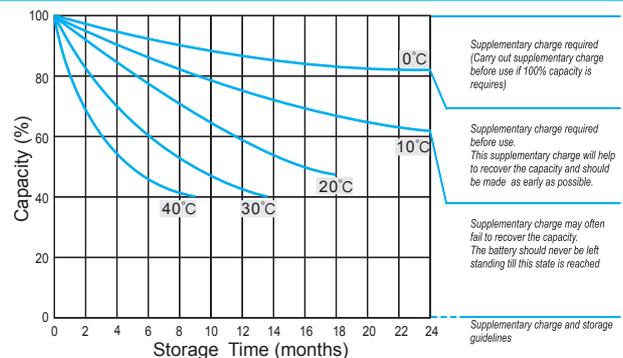
Relationship Between Charging Voltage and Temperature



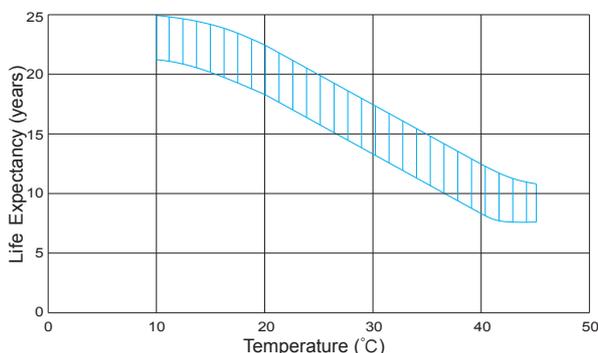
Temperature Effects on Capacity



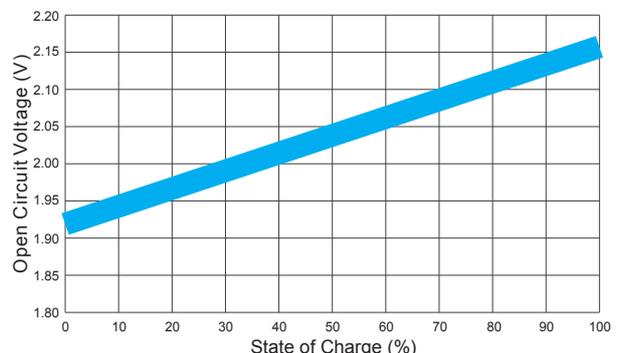
Storage Characteristics



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.

DG2-400(2V400Ah)



MJB

Specification

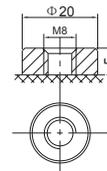
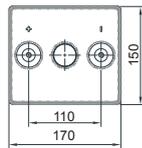
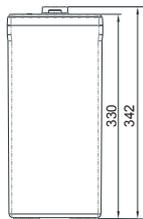
Cells Per Unit	1
Voltage Per Unit	2V
Capacity	400Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 19.5 Kg (Tolerance ±5%)
Internal Resistance	≤1.00 mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8)
Max. Discharge Current	2000A (5 sec)
Design Life	20 years
Max. Charging Current	80.0 A
Reference Capacity	C ₃ 276.0Ah C ₅ 313.0Ah C ₁₀ 368.0Ah C ₂₀ 400.0Ah
Float Charging Voltage	2.23 V~2.25 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.37 V~2.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DG (Deep Cycle GEL) series is pure GEL battery with 20 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



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	6HR	8HR	10HR	20HR
1.60V	469.8	363.8	227.0	147.6	107.8	82.8	66.2	60.0	48.9	38.3	21.1
1.65V	446.8	349.3	224.3	142.4	103.4	81.0	65.5	58.5	46.7	37.9	20.8
1.70V	416.6	329.2	220.1	140.2	100.8	79.1	64.4	57.0	46.0	37.5	20.4
1.75V	369.8	296.1	202.4	132.5	95.7	76.5	63.7	54.1	44.5	37.2	20.0
1.80V	318.4	269.7	190.9	126.2	92.0	73.6	62.6	53.4	43.8	36.8	19.6
1.85V	269.3	242.9	176.4	119.2	87.6	71.8	58.9	50.4	41.6	35.7	18.5

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

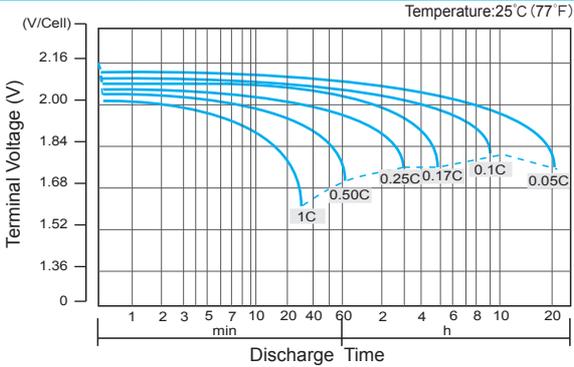
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	809.0	641.0	411.7	276.9	205.5	159.0	127.9	116.3	95.4	74.9	41.7
1.65V	782.5	623.6	410.5	268.6	197.9	156.1	126.9	113.8	91.4	74.3	41.0
1.70V	742.0	595.5	406.5	265.8	193.7	153.1	125.2	111.3	90.2	73.8	40.3
1.75V	669.5	542.6	377.2	252.4	184.5	148.6	124.2	105.9	87.5	73.2	39.6
1.80V	585.9	500.6	359.1	241.7	178.1	143.4	122.4	104.7	86.3	72.7	38.9
1.85V	503.5	456.6	334.6	229.5	170.2	140.4	115.6	99.3	82.2	70.7	36.7

(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.

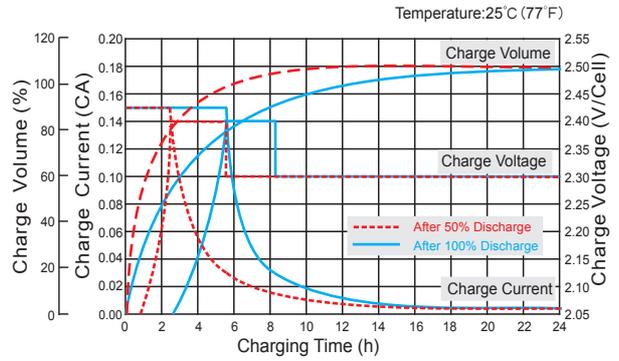
DG2-400(2V400Ah)



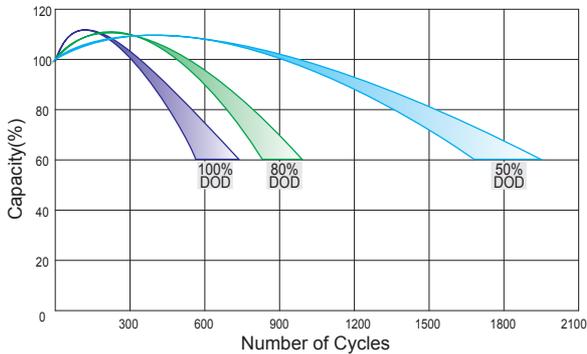
Discharge Characteristics Curve



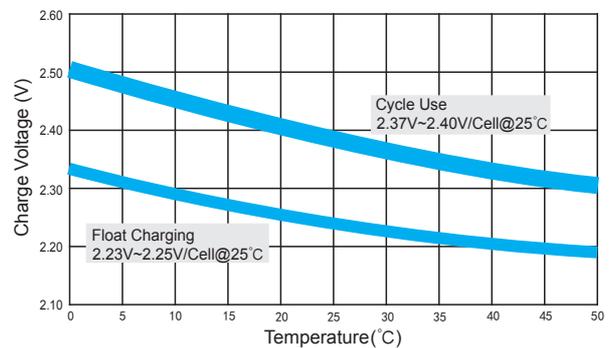
Charge Characteristic Curve for Cycle Use(IUU)



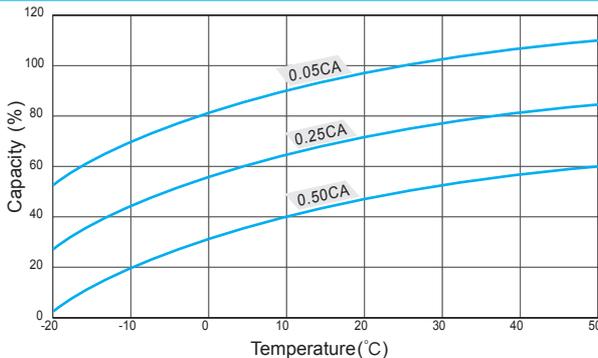
Cycle Life in Relation to Depth of Discharge



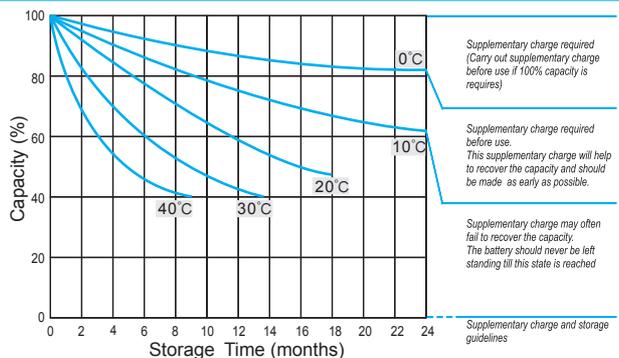
Relationship Between Charging Voltage and Temperature



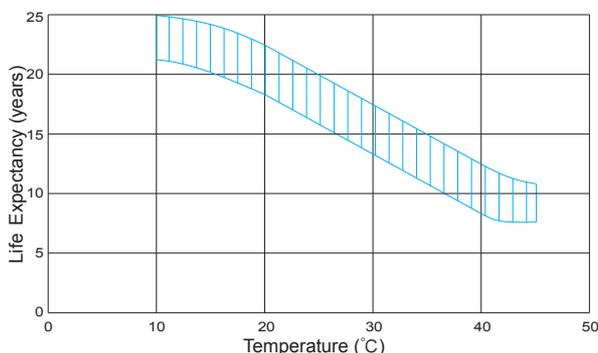
Temperature Effects on Capacity



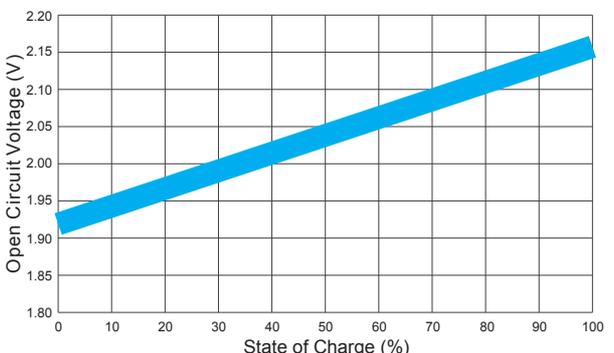
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DG2-3000(2V3000Ah)



MJB

Specification

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	3000Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 162.0 Kg (Tolerance ±5%)
Internal Resistance	≤0.30 mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8)
Max. Discharge Current	8000A (5 sec)
Design Life	20 years
Max. Charging Current	600.0 A
Reference Capacity	C ₃ 2070.0Ah C ₅ 2346.0Ah C ₁₀ 2760.0Ah C ₂₀ 3000.0Ah
Float Charging Voltage	2.23 V~2.25 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.37 V~2.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DG (Deep Cycle GEL) series is pure GEL battery with 20 years floating design life , it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



ISO 9001



ISO 14001



ISO 45001

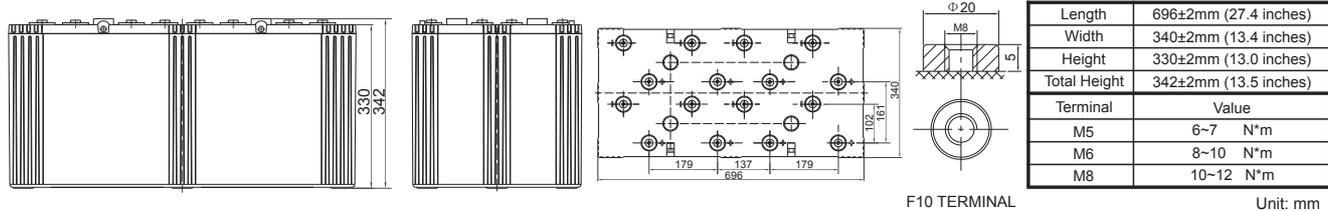


MH 28539



BSTD210621094601EC

Dimensions



Constant Current Discharge Characteristics : A(25°C)

F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	2729	1703	1107	808.7	621.0	496.8	449.9	367.1	287.0	158.5
1.65V	2620	1682	1068	775.6	607.2	491.3	438.8	350.5	284.3	155.7
1.70V	2469	1651	1052	756.2	593.4	483.0	427.8	345.0	281.5	152.8
1.75V	2221	1518	993.6	717.6	574.1	477.5	405.7	334.0	278.8	150.0
1.80V	2023	1432	946.7	690.0	552.0	469.2	400.2	328.4	276.0	147.2
1.85V	1822	1323	894.2	656.9	538.2	441.6	378.1	311.9	267.7	138.7

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

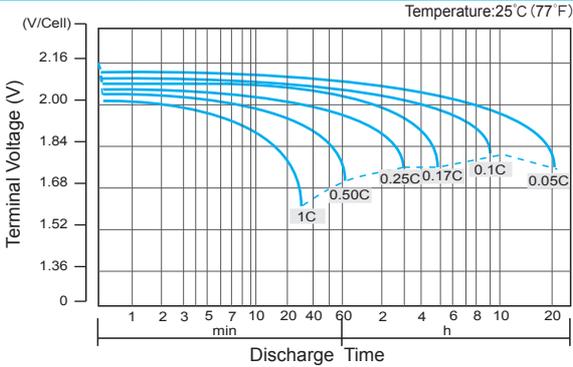
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	4807	3088	2077	1541	1193	959.1	872.0	715.5	561.4	312.7
1.65V	4677	3079	2014	1484	1171	951.7	853.3	685.1	557.4	307.5
1.70V	4467	3049	1993	1453	1148	938.8	834.5	676.3	553.4	302.3
1.75V	4070	2829	1893	1384	1115	931.2	793.9	656.5	549.3	297.1
1.80V	3754	2693	1813	1336	1076	918.2	785.6	647.4	545.2	291.9
1.85V	3424	2510	1721	1276	1053	867.1	744.5	616.5	530.2	275.4

(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 C₂₀ should reach 95% after the first cycle and 100% after the third cycle.

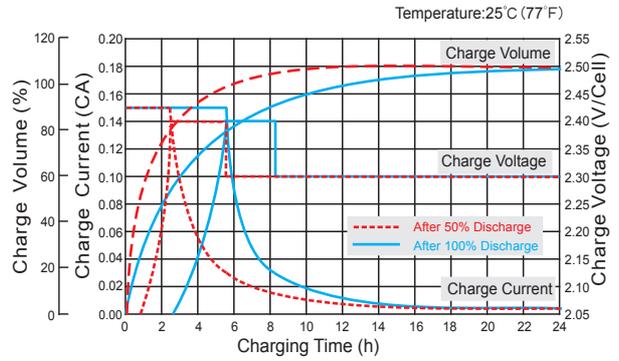
DG2-3000(2V3000Ah)



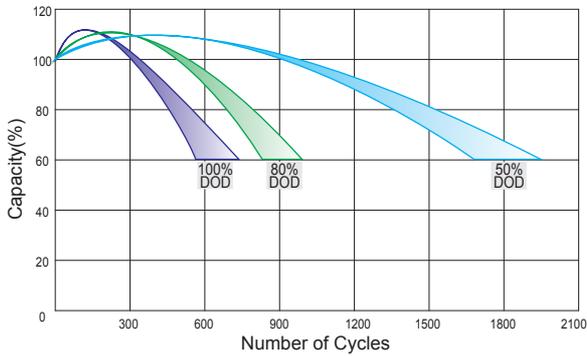
Discharge Characteristics Curve



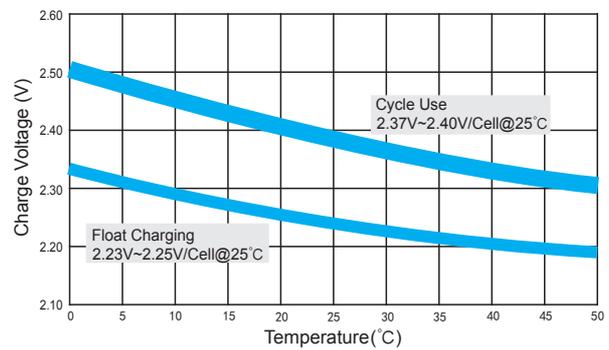
Charge Characteristic Curve for Cycle Use(IUU)



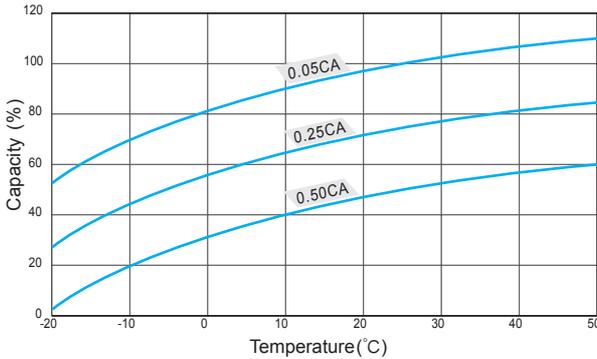
Cycle Life in Relation to Depth of Discharge



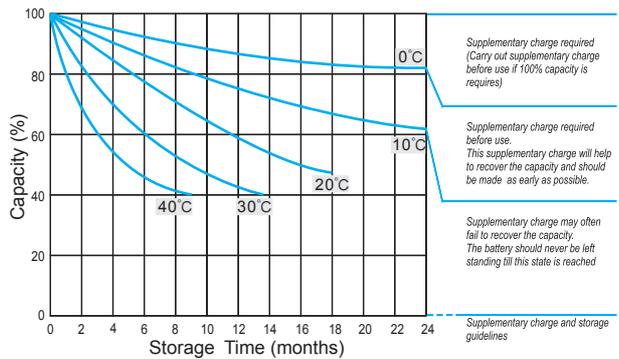
Relationship Between Charging Voltage and Temperature



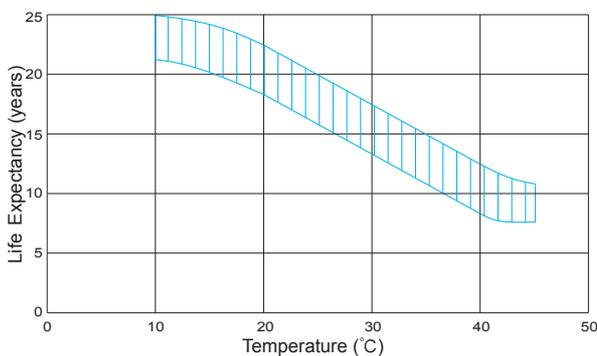
Temperature Effects on Capacity



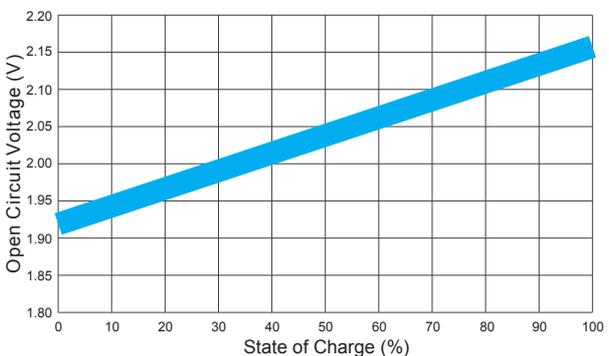
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DG2-300(2V300Ah)



MJB

Specification

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	300Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 16.3 Kg (Tolerance ±5%)
Internal Resistance	≤1.10 mΩ (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 ₃ 207.0Ah C ₅ 234.5Ah C ₁₀ 276.0Ah C ₂₀ 300.0Ah
Float Charging Voltage	2.23 V~2.25 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.37 V~2.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DG (Deep Cycle GEL) series is pure GEL battery with 20 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



ISO 9001

ISO 14001

ISO 45001

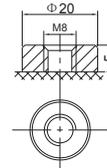
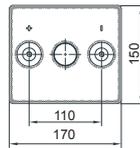
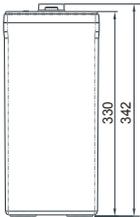


MH 28539



BSTXD210621094601EC

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	6HR	8HR	10HR	20HR
1.60V	352.4	272.9	170.3	110.7	80.9	62.1	49.7	45.0	36.7	28.7	15.8
1.65V	335.1	262.0	168.2	106.8	77.6	60.7	49.1	43.9	35.1	28.4	15.6
1.70V	312.5	246.9	165.1	105.2	75.6	59.3	48.3	42.8	34.5	28.2	15.3
1.75V	277.3	222.1	151.8	99.4	71.8	57.4	47.7	40.6	33.4	27.9	15.0
1.80V	238.8	202.3	143.2	94.7	69.0	55.2	46.9	40.0	32.8	27.6	14.7
1.85V	202.0	182.2	132.3	89.4	65.7	53.8	44.2	37.8	31.2	26.8	13.9

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

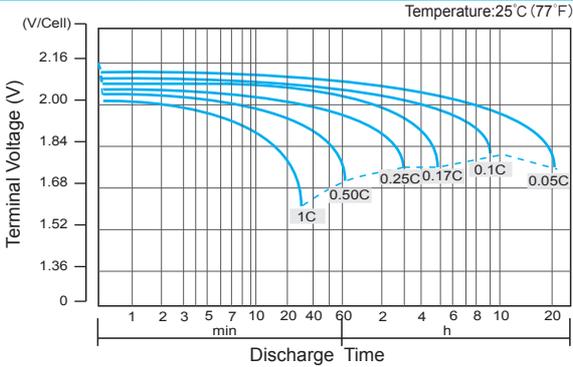
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	606.8	480.7	308.8	207.7	154.1	119.3	95.9	87.2	71.5	56.1	31.3
1.65V	586.9	467.7	307.9	201.4	148.4	117.1	95.2	85.3	68.5	55.7	30.8
1.70V	556.5	446.7	304.9	199.3	145.3	114.8	93.9	83.4	67.6	55.3	30.2
1.75V	502.1	407.0	282.9	189.3	138.4	111.5	93.1	79.4	65.6	54.9	29.7
1.80V	439.4	375.4	269.3	181.3	133.6	107.6	91.8	78.6	64.7	54.5	29.2
1.85V	377.6	342.4	251.0	172.1	127.6	105.3	86.7	74.5	61.7	53.0	27.5

(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 C₂₀ should reach 95% after the first cycle and 100% after the third cycle.

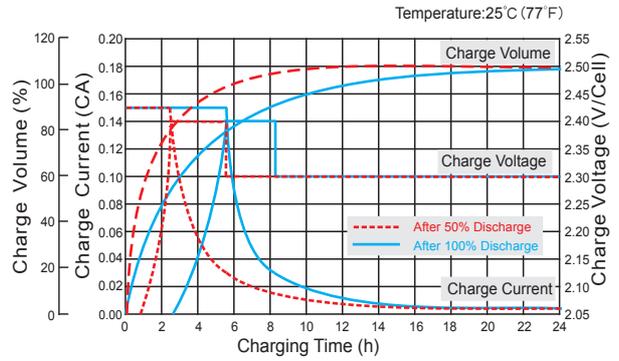
DG2-300(2V300Ah)



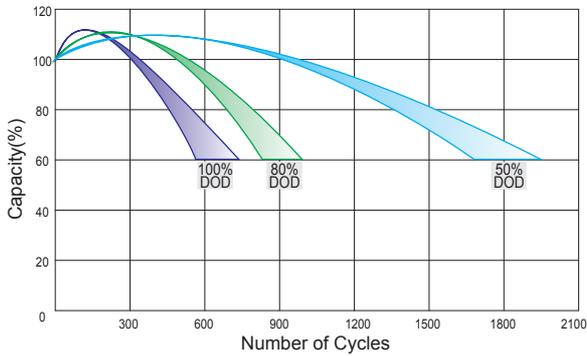
Discharge Characteristics Curve



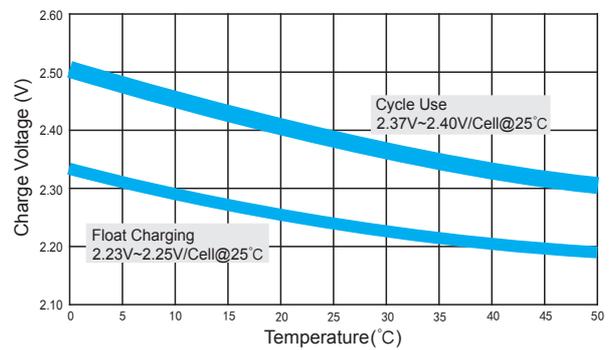
Charge Characteristic Curve for Cycle Use(IUU)



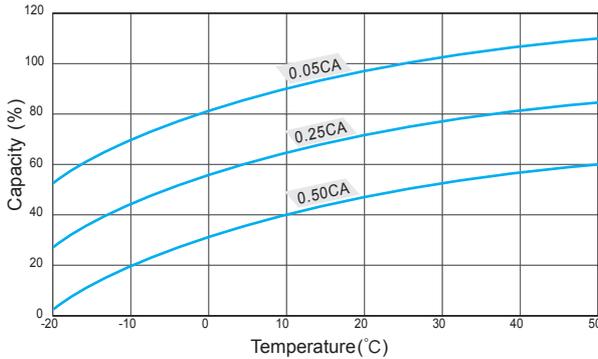
Cycle Life in Relation to Depth of Discharge



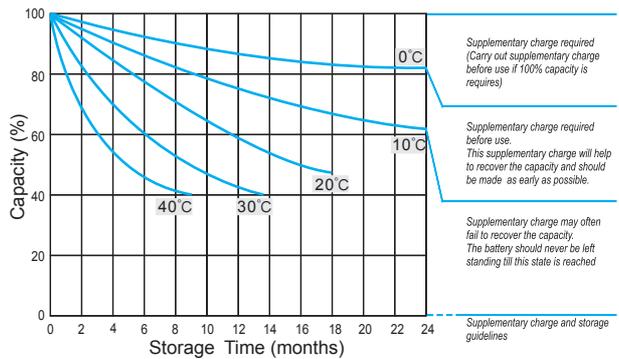
Relationship Between Charging Voltage and Temperature



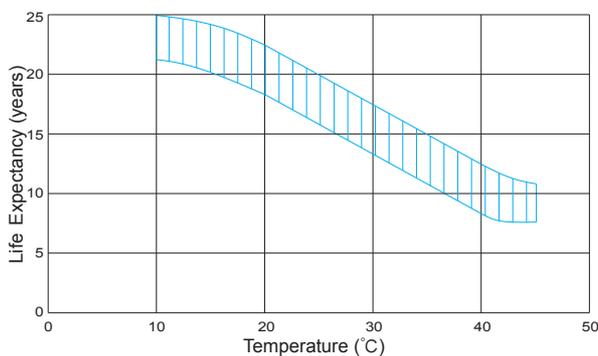
Temperature Effects on Capacity



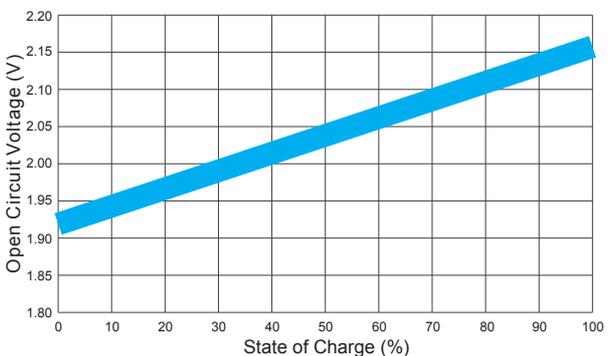
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DG2-250(2V250Ah)



MJB

Specification



DG (Deep Cycle GEL) series is pure GEL battery with 20 years floating design life , it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



ISO 9001

ISO 14001

ISO 45001



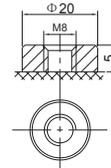
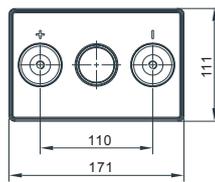
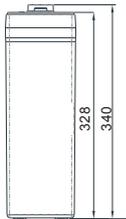
MH 28539



BSTXD210621094601EC

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	250Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 13.6 Kg (Tolerance ±5%)
Internal Resistance	≤1.20 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 ₃ 172.5Ah C ₅ 195.5Ah C ₁₀ 230.0Ah C ₂₀ 250.0Ah
Float Charging Voltage	2.23 V~2.25 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.37 V~2.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.

Dimensions



F10 TERMINAL

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	6HR	8HR	10HR	20HR
1.60V	293.6	227.4	141.9	92.2	67.4	51.8	41.4	37.5	30.6	23.9	13.2
1.65V	279.2	218.3	140.2	89.0	64.6	50.6	40.9	36.6	29.2	23.7	13.0
1.70V	260.4	205.8	137.6	87.6	63.0	49.5	40.3	35.7	28.8	23.5	12.7
1.75V	231.1	185.1	126.5	82.8	59.8	47.8	39.8	33.8	27.8	23.2	12.5
1.80V	199.0	168.6	119.3	78.9	57.5	46.0	39.1	33.4	27.4	23.0	12.3
1.85V	168.3	151.8	110.2	74.5	54.7	44.9	36.8	31.5	26.0	22.3	11.6

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

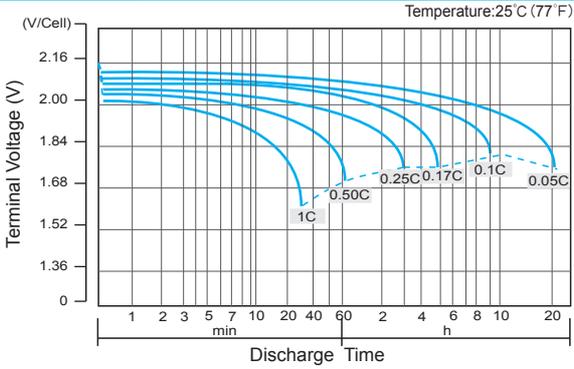
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	505.7	400.6	257.3	173.1	128.5	99.4	79.9	72.7	59.6	46.8	26.1
1.65V	489.1	389.8	256.5	167.9	123.7	97.5	79.3	71.1	57.1	46.5	25.6
1.70V	463.8	372.2	254.1	166.1	121.1	95.7	78.2	69.5	56.4	46.1	25.2
1.75V	418.4	339.1	235.8	157.8	115.3	92.9	77.6	66.2	54.7	45.8	24.8
1.80V	366.2	312.9	224.4	151.1	111.3	89.7	76.5	65.5	54.0	45.4	24.3
1.85V	314.7	285.4	209.2	143.4	106.4	87.7	72.3	62.0	51.4	44.2	23.0

(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 C₂₀ should reach 95% after the first cycle and 100% after the third cycle.

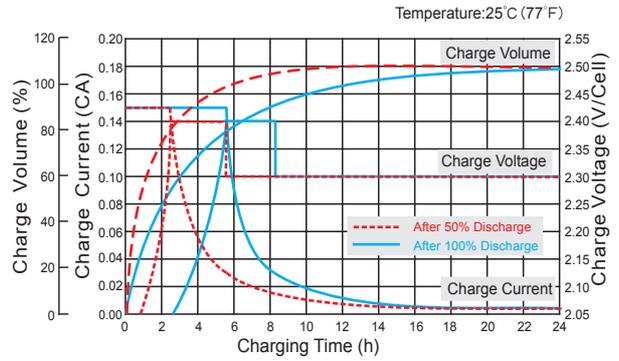
DG2-250(2V250Ah)



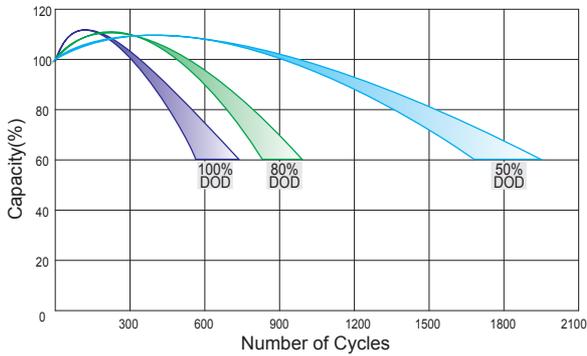
Discharge Characteristics Curve



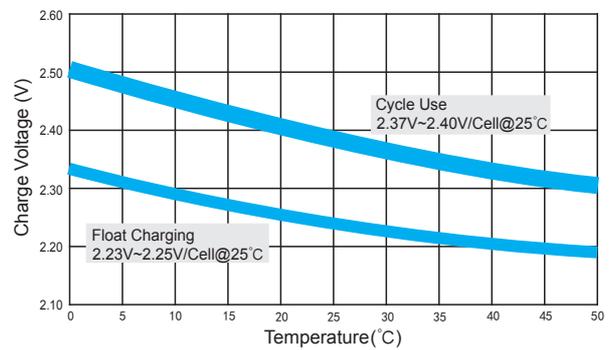
Charge Characteristic Curve for Cycle Use(IUU)



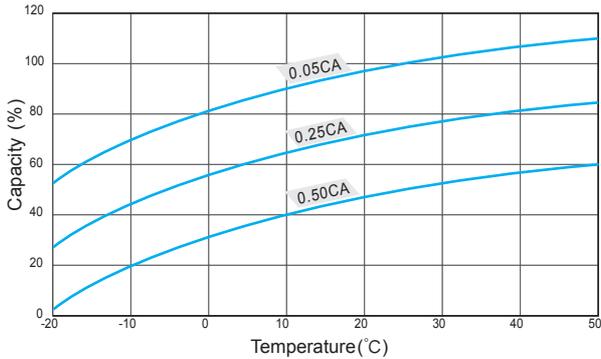
Cycle Life in Relation to Depth of Discharge



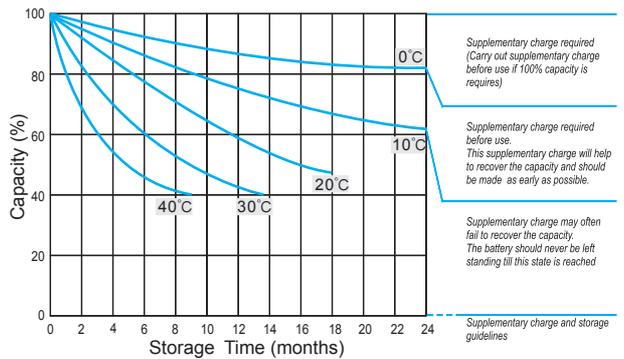
Relationship Between Charging Voltage and Temperature



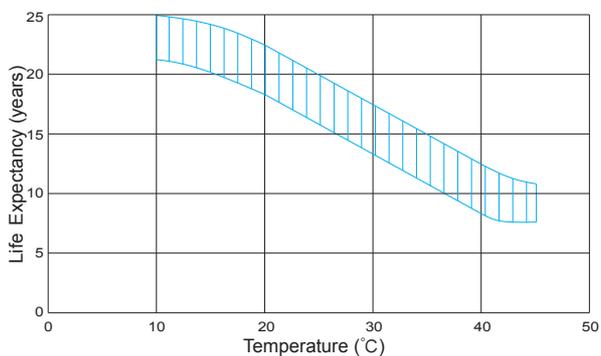
Temperature Effects on Capacity



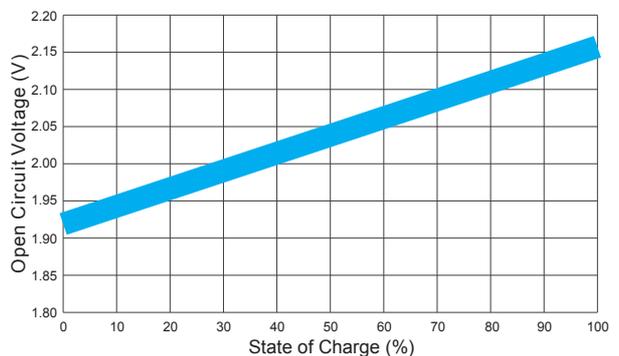
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DG2-2000(2V2000Ah)



MJB

Specification

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	2000Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 108.0 Kg (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 ₃ 1380.0Ah C ₅ 1564.0Ah C ₁₀ 1840.0Ah C ₂₀ 2000.0Ah
Float Charging Voltage	2.23 V~2.25 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.37 V~2.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DG (Deep Cycle GEL) series is pure GEL battery with 20 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



Dimensions

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	6HR	8HR	10HR	20HR
1.60V	1819	1135	737.8	539.1	414.0	331.2	299.9	244.7	191.4	105.7
1.65V	1747	1121	712.1	517.0	404.8	327.5	292.6	233.7	189.5	103.8
1.70V	1646	1101	701.0	504.2	395.6	322.0	285.2	230.0	187.7	101.9
1.75V	1481	1012	662.4	478.4	382.7	318.3	270.5	222.6	185.8	100.0
1.80V	1349	954.7	631.1	460.0	368.0	312.8	266.8	219.0	184.0	98.1
1.85V	1215	881.8	596.2	437.9	358.8	294.4	252.1	207.9	178.5	92.5

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

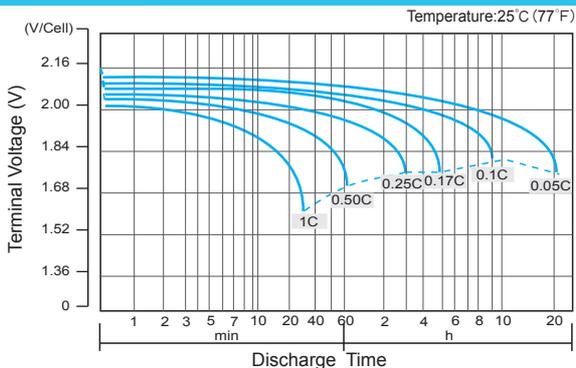
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	3205	2059	1384	1028	795.2	639.4	581.3	477.0	374.3	208.5
1.65V	3118	2052	1343	989.4	780.4	634.4	568.9	456.8	371.6	205.0
1.70V	2978	2033	1329	968.5	765.4	625.9	556.3	450.8	368.9	201.5
1.75V	2713	1886	1262	922.5	743.2	620.8	529.3	437.6	366.2	198.1
1.80V	2503	1796	1209	890.5	717.2	612.1	523.7	431.6	363.5	194.6
1.85V	2283	1673	1147	851.0	701.8	578.1	496.4	411.0	353.5	183.6

(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 C₂₀ should reach 95% after the first cycle and 100% after the third cycle.

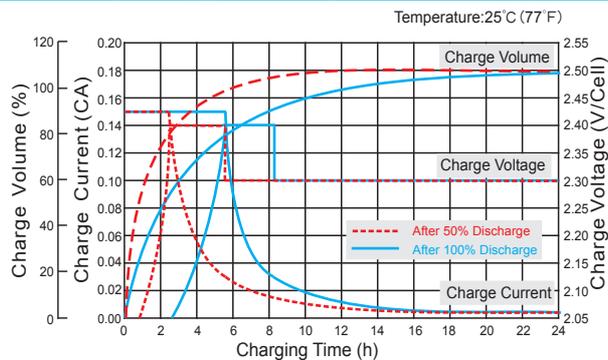
DG2-2000(2V2000Ah)



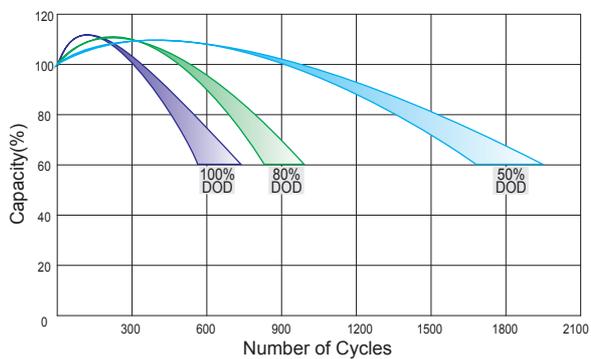
Discharge Characteristics Curve



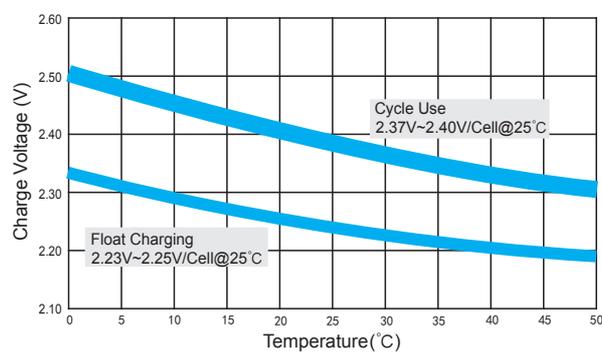
Charge Characteristic Curve for Cycle Use(IUU)



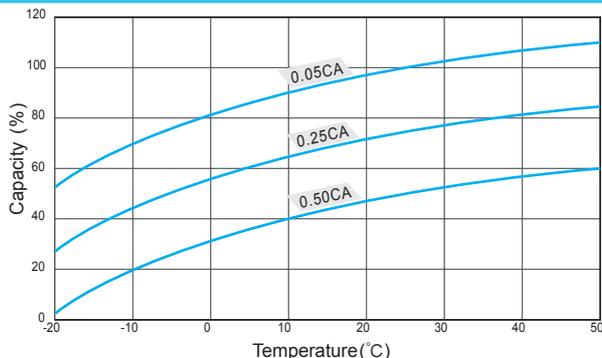
Cycle Life in Relation to Depth of Discharge



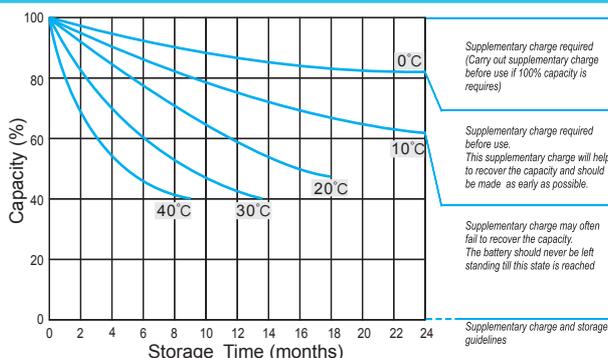
Relationship Between Charging Voltage and Temperature



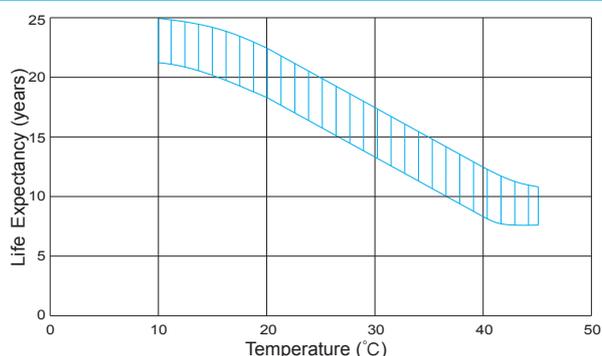
Temperature Effects on Capacity



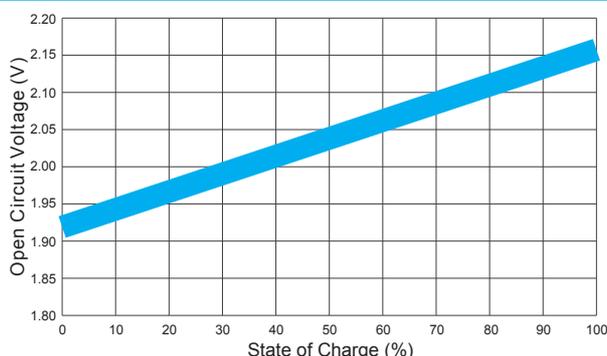
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DG2-200(2V200Ah)



MJB

Specification

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	200Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 11.2 Kg (Tolerance ±5%)
Internal Resistance	≤1.20 mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8)
Max. Discharge Current	1000A (5 sec)
Design Life	20 years
Max. Charging Current	40.0 A
Reference Capacity	C ₃ 138.0Ah C ₅ 156.5Ah C ₁₀ 184.0Ah C ₂₀ 200.0Ah
Float Charging Voltage	2.23 V~2.25 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.37 V~2.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DG (Deep Cycle GEL) series is pure GEL battery with 20 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



ISO 9001



ISO 14001



ISO 45001

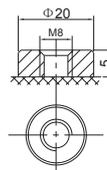
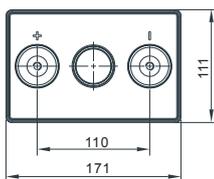
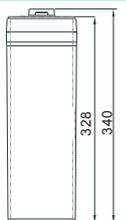


MH 28539



BSTXD210621094601EC

Dimensions



F10 TERMINAL

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	6HR	8HR	10HR	20HR
1.60V	234.9	181.9	113.5	73.8	53.9	41.4	33.1	30.0	24.5	19.1	10.6
1.65V	223.4	174.7	112.1	71.2	51.7	40.5	32.8	29.3	23.4	19.0	10.4
1.70V	208.3	164.6	110.1	70.1	50.4	39.6	32.2	28.5	23.0	18.8	10.2
1.75V	184.9	148.1	101.2	66.2	47.8	38.3	31.8	27.0	22.3	18.6	10.0
1.80V	159.2	134.9	95.5	63.1	46.0	36.8	31.3	26.7	21.9	18.4	9.81
1.85V	134.7	121.5	88.2	59.6	43.8	35.9	29.4	25.2	20.8	17.8	9.25

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

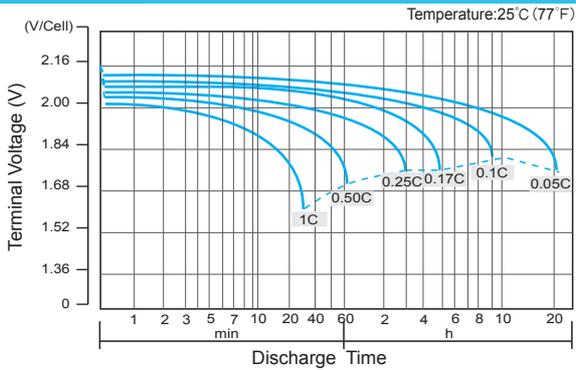
F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	404.5	320.5	205.9	138.4	102.8	79.5	63.9	58.1	47.7	37.4	20.8
1.65V	391.3	311.8	205.2	134.3	98.9	78.0	63.4	56.9	45.7	37.2	20.5
1.70V	371.0	297.8	203.3	132.9	96.8	76.5	62.6	55.6	45.1	36.9	20.2
1.75V	334.7	271.3	188.6	126.2	92.3	74.3	62.1	52.9	43.8	36.6	19.8
1.80V	293.0	250.3	179.6	120.9	89.0	71.7	61.2	52.4	43.2	36.3	19.5
1.85V	251.8	228.3	167.3	114.7	85.1	70.2	57.8	49.6	41.1	35.3	18.4

(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 C₂₀ should reach 95% after the first cycle and 100% after the third cycle.

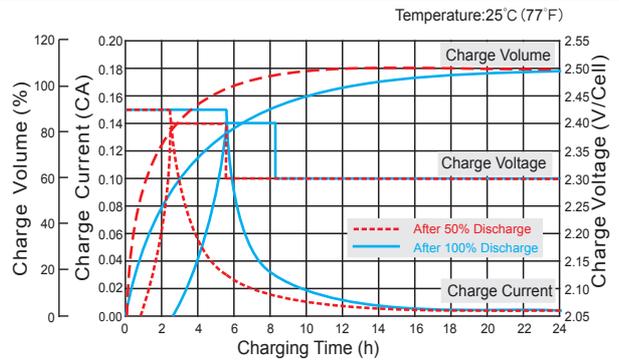
DG2-200(2V200Ah)



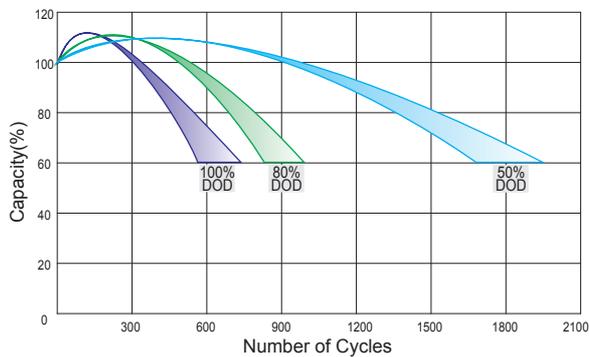
Discharge Characteristics Curve



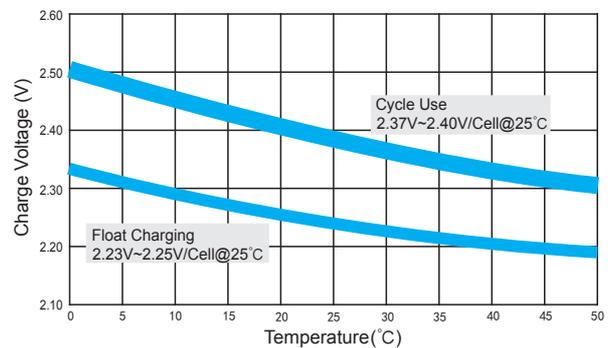
Charge Characteristic Curve for Cycle Use(IUU)



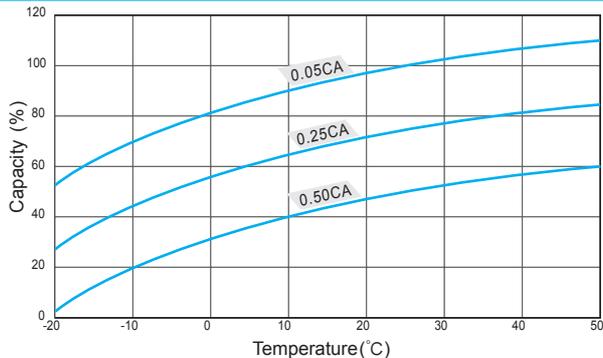
Cycle Life in Relation to Depth of Discharge



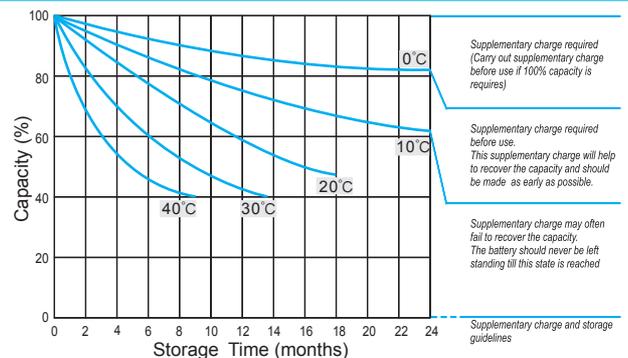
Relationship Between Charging Voltage and Temperature



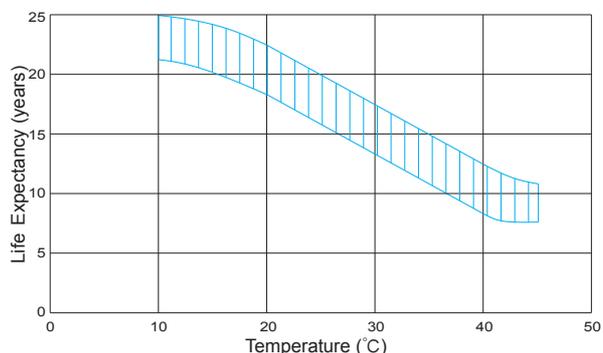
Temperature Effects on Capacity



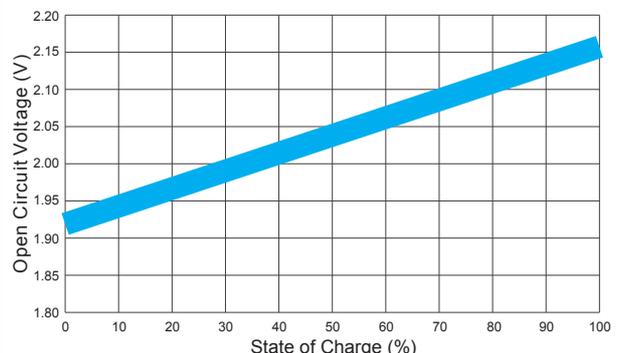
Storage Characteristics



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.

DG2-1500(2V1500Ah)



MJB

Specification

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	1500Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 81.5 Kg (Tolerance ±5%)
Internal Resistance	≤0.52 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 ₃ 1035.0Ah C ₅ 1173.0Ah C ₁₀ 1380.0Ah C ₂₀ 1500.0Ah
Float Charging Voltage	2.23 V~2.25 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.37 V~2.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DG (Deep Cycle GEL) series is pure GEL battery with 20 years floating design life , it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



ISO 9001



ISO 14001



ISO 45001

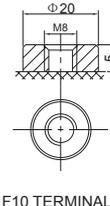
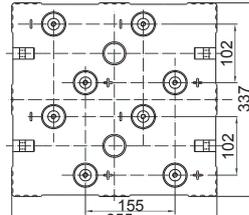
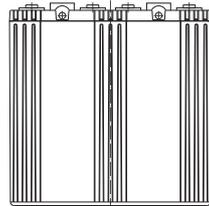
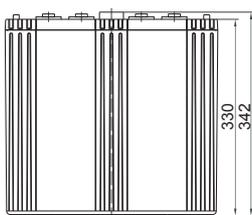


MH 28539



BSTXD210621094601EC

Dimensions



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	6HR	8HR	10HR	20HR
1.60V	1364	851.4	553.4	404.3	310.5	248.4	224.9	183.5	143.5	79.2
1.65V	1310	841.0	534.1	387.8	303.6	245.6	219.4	175.3	142.1	77.8
1.70V	1235	825.4	525.8	378.1	296.7	241.5	213.9	172.5	140.8	76.4
1.75V	1110	759.0	496.8	358.8	287.0	238.7	202.9	167.0	139.4	75.0
1.80V	1011	716.0	473.3	345.0	276.0	234.6	200.1	164.2	138.0	73.6
1.85V	910.9	661.4	447.1	328.4	269.1	220.8	189.1	155.9	133.9	69.3

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

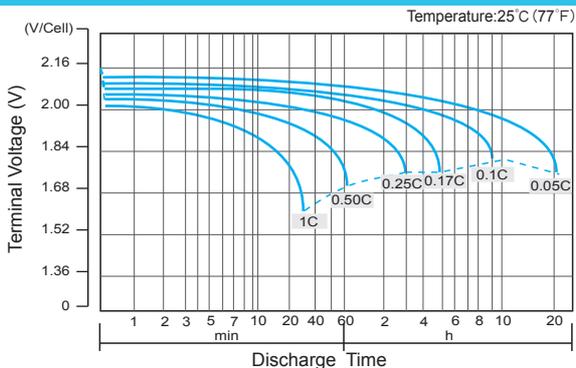
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	2404	1544	1038	770.7	596.4	479.5	436.0	357.7	280.7	156.3
1.65V	2339	1539	1007	742.0	585.3	475.8	426.6	342.6	278.7	153.8
1.70V	2233	1525	996.7	726.4	574.1	469.4	417.2	338.1	276.7	151.2
1.75V	2035	1415	946.6	691.9	557.4	465.6	396.9	328.2	274.7	148.6
1.80V	1877	1347	906.4	667.8	537.9	459.1	392.8	323.7	272.6	145.9
1.85V	1712	1255	860.6	638.2	526.4	433.6	372.3	308.3	265.1	137.7

(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.

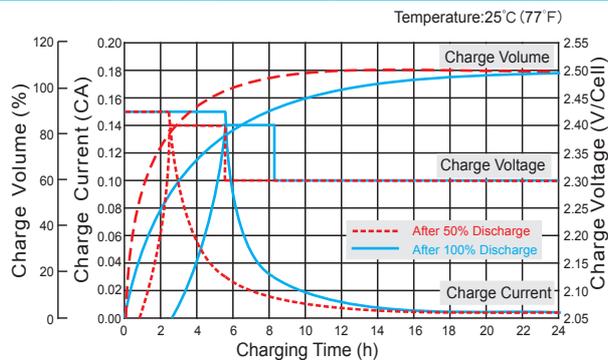
DG2-1500(2V1500Ah)



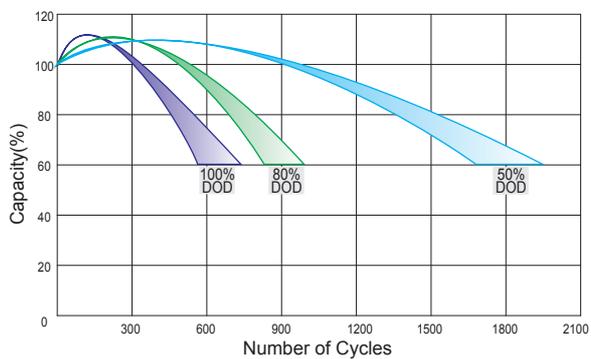
Discharge Characteristics Curve



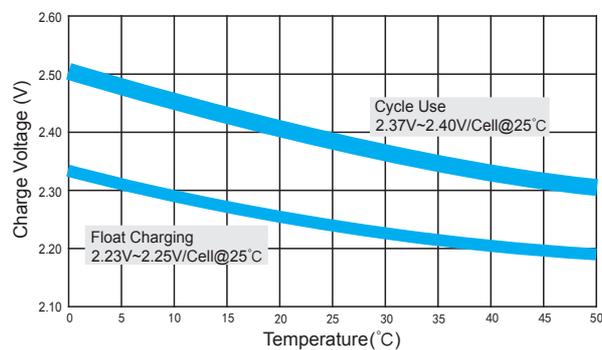
Charge Characteristic Curve for Cycle Use(IUU)



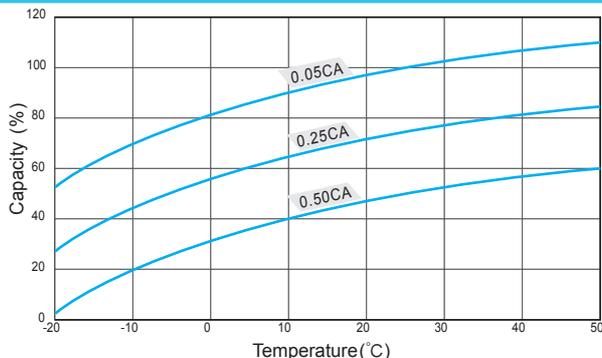
Cycle Life in Relation to Depth of Discharge



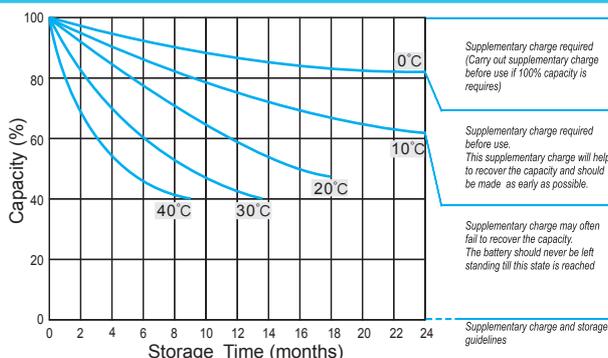
Relationship Between Charging Voltage and Temperature



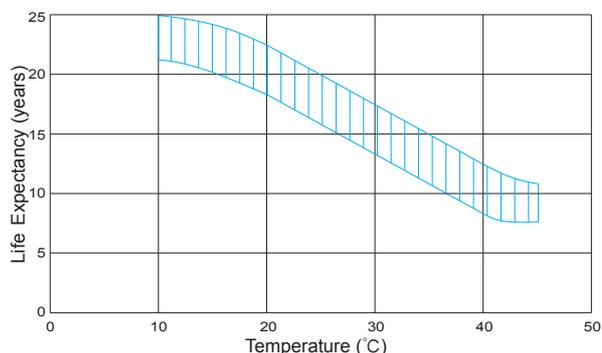
Temperature Effects on Capacity



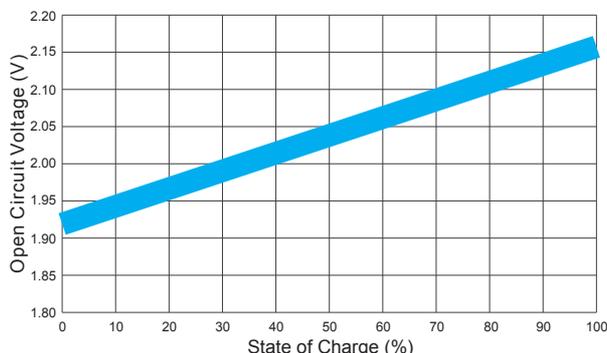
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DG2-1000(2V1000Ah)



MJB

Specification

Cells Per Unit	1
Voltage Per Unit	2V
Capacity	1000Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 52.0 Kg (Tolerance ±5%)
Internal Resistance	≤0.70 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 ₃ 690.0Ah C ₅ 782.0Ah C ₁₀ 920.0Ah C ₂₀ 1000.0Ah
Float Charging Voltage	2.23 V~2.25 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.37 V~2.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DG (Deep Cycle GEL) series is pure GEL battery with 20 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



ISO 9001

ISO 14001

ISO 45001

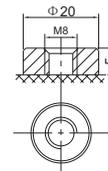
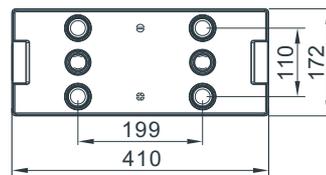
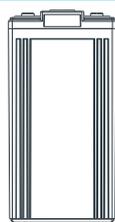
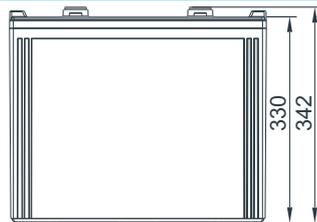


MH 28539



BSTXD210621094601EC

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	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	909.5	567.6	368.9	269.6	207.0	165.6	150.0	122.4	95.7	52.8
1.65V	873.3	560.7	356.0	258.5	202.4	163.8	146.3	116.8	94.8	51.9
1.70V	823.1	550.3	350.5	252.1	197.8	161.0	142.6	115.0	93.8	50.9
1.75V	740.3	506.0	331.2	239.2	191.4	159.2	135.2	111.3	92.9	50.0
1.80V	674.3	477.4	315.6	230.0	184.0	156.4	133.4	109.5	92.0	49.1
1.85V	607.3	440.9	298.1	219.0	179.4	147.2	126.0	104.0	89.2	46.2

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

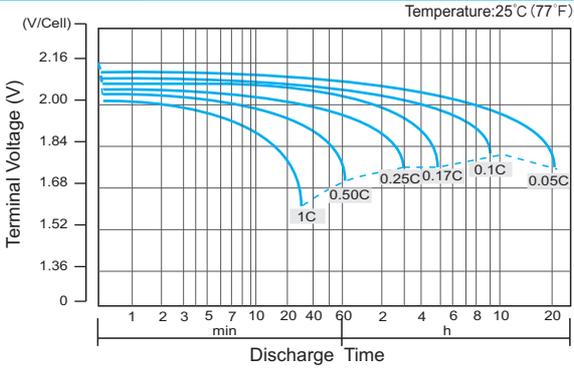
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	1602	1029	692.2	513.8	397.6	319.7	290.7	238.5	187.1	104.2
1.65V	1559	1026	671.5	494.7	390.2	317.2	284.4	228.4	185.8	102.5
1.70V	1489	1016	664.5	484.2	382.7	312.9	278.2	225.4	184.5	100.8
1.75V	1357	943.1	631.0	461.3	371.6	310.4	264.6	218.8	183.1	99.0
1.80V	1251	897.8	604.3	445.2	358.6	306.1	261.9	215.8	181.7	97.3
1.85V	1141	836.6	573.7	425.5	350.9	289.0	248.2	205.5	176.7	91.8

(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 C₂₀ should reach 95% after the first cycle and 100% after the third cycle.

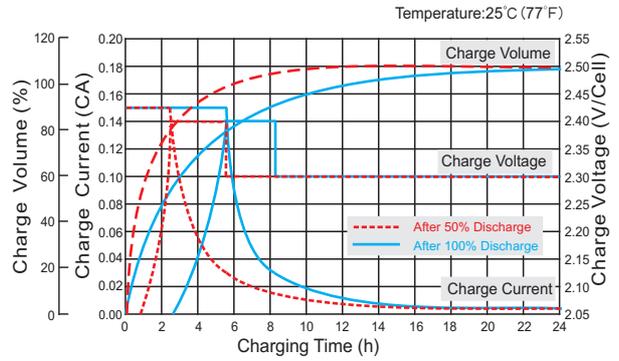
DG2-1000(2V1000Ah)



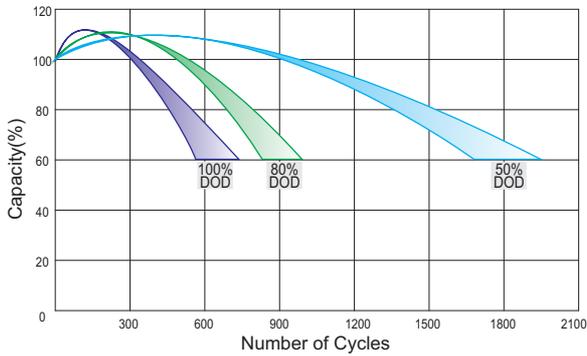
Discharge Characteristics Curve



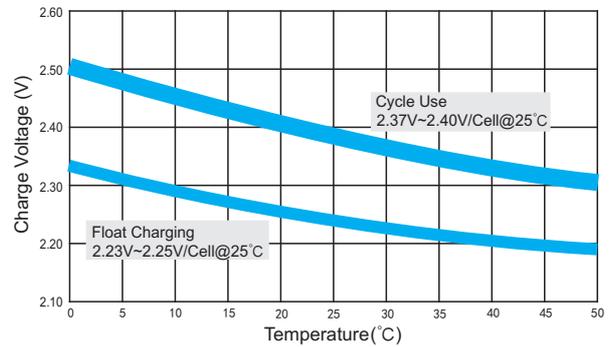
Charge Characteristic Curve for Cycle Use(IUU)



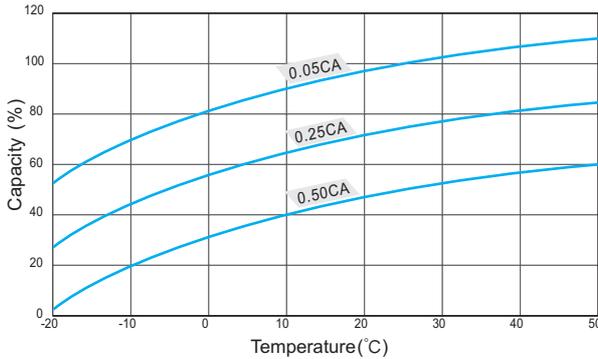
Cycle Life in Relation to Depth of Discharge



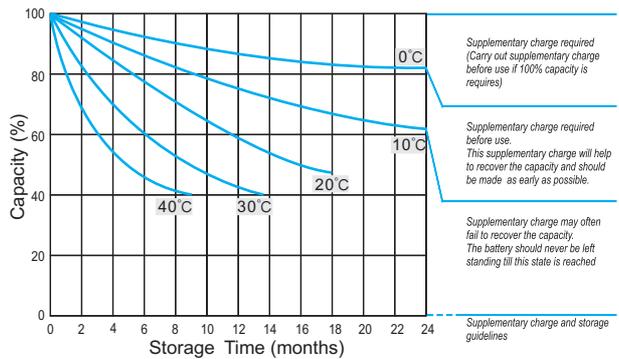
Relationship Between Charging Voltage and Temperature



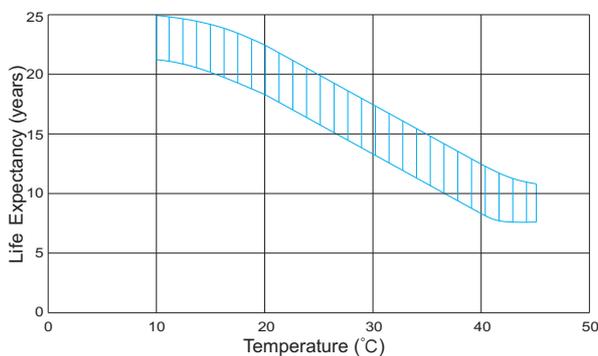
Temperature Effects on Capacity



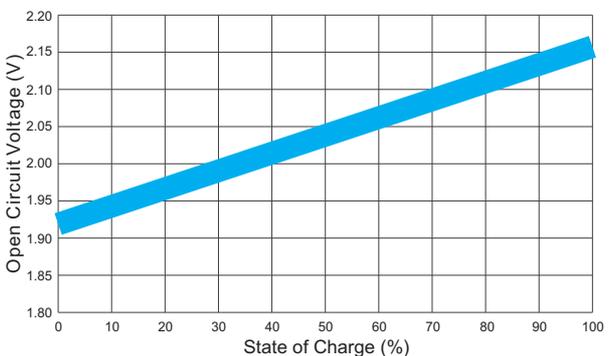
Storage Characteristics



Effect of Temperature on Long Term Life



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



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

DG12-65(12V65Ah)



MJB

Specification

Cells Per Unit	6
Voltage Per Unit	12V
Capacity	65Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 19.5 Kg (Tolerance ±5%)
Internal Resistance	≤10.5 mΩ (Full Charge Condition @25°C)
Terminal	Default F11(M6), F5(M8) Optional
Max. Discharge Current	650A (5 sec)
Design Life	15 years
Max. Charging Current	13.0 A
Reference Capacity	C ₃ 42.9Ah
	C ₅ 48.8Ah
	C ₁₀ 57.2Ah
	C ₂₀ 65.0Ah
Float Charging Voltage	13.38 V~13.50 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.20 V~14.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C
	Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DG (Deep Cycle GEL) series is pure GEL battery with 15 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



ISO 9001

ISO 14001

ISO 45001

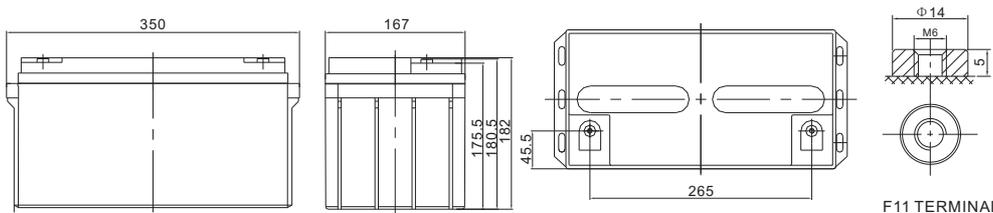


MH 28539



BSTXD210316008519EC

Dimensions



Length	350±2mm (13.8 inches)
Width	167±2mm (6.57 inches)
Height	182±2mm (7.17 inches)
Total Height	182±2mm (7.17 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	106.4	86.3	56.6	35.3	21.6	16.2	12.9	10.8	7.32	6.03	3.38
1.65V	100.6	82.5	54.4	34.1	20.9	15.7	12.6	10.5	7.23	5.96	3.33
1.70V	92.6	77.3	52.0	33.0	20.2	15.2	12.2	10.3	7.12	5.87	3.29
1.75V	84.7	71.9	49.7	31.8	19.5	14.8	11.9	10.0	7.02	5.79	3.25
1.80V	76.7	66.4	47.5	30.6	18.8	14.3	11.6	9.75	6.90	5.72	3.22
1.85V	62.7	55.1	40.9	27.4	17.2	13.2	10.7	9.09	6.48	5.38	3.05

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

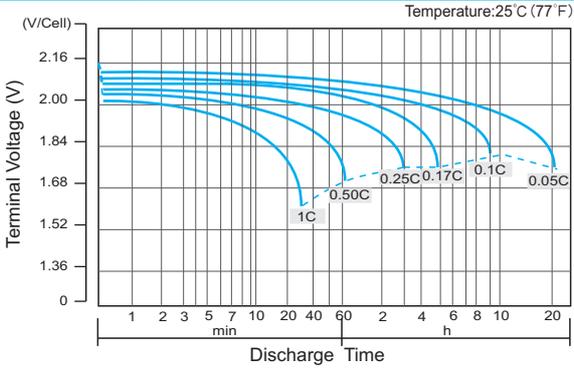
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	180.9	150.9	102.9	66.3	40.9	30.9	24.8	20.9	14.3	11.9	6.66
1.65V	172.1	145.0	99.6	64.5	39.8	30.1	24.2	20.4	14.1	11.7	6.58
1.70V	163.3	139.2	96.3	62.7	38.7	29.4	23.6	19.9	14.0	11.6	6.49
1.75V	152.2	131.4	93.0	60.8	37.5	28.6	23.1	19.5	13.8	11.4	6.42
1.80V	140.2	123.0	89.8	58.8	36.3	27.8	22.5	19.1	13.6	11.3	6.37
1.85V	116.6	103.5	78.1	53.1	33.5	25.8	21.0	17.8	12.8	10.7	6.05

(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.

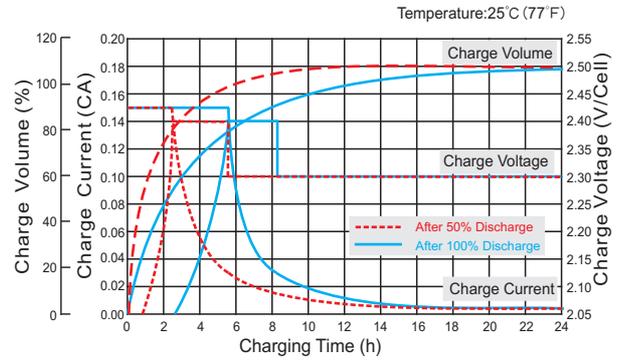
DG12-65(12V65Ah)



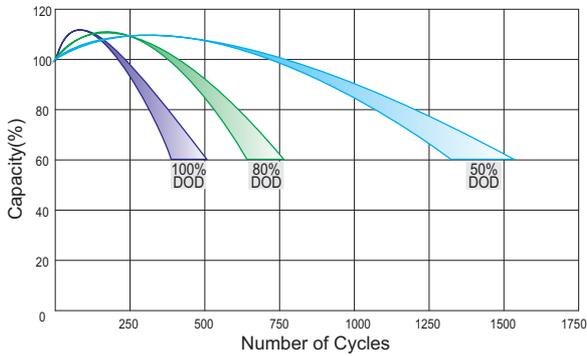
Discharge Characteristics Curve



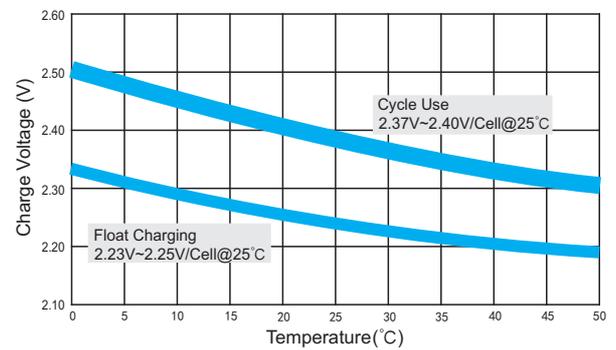
Charge Characteristic Curve for Cycle Use(IUU)



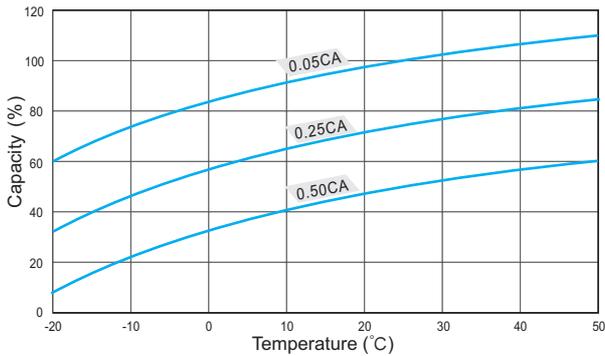
Cycle Life in Relation to Depth of Discharge



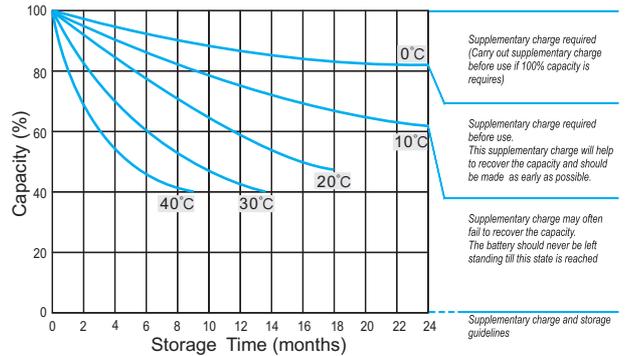
Relationship Between Charging Voltage and Temperature



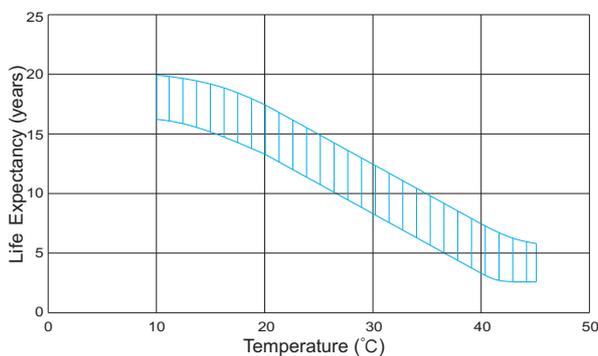
Temperature Effects on Capacity



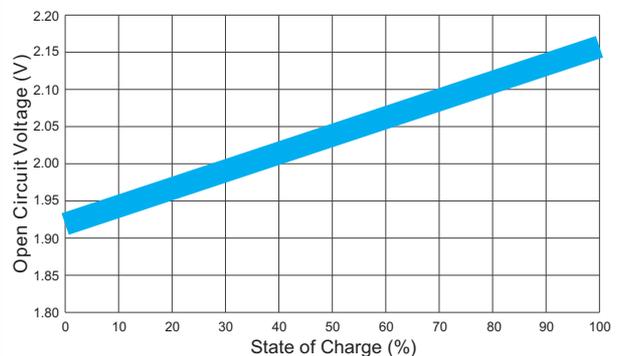
Storage Characteristics



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.

DG12-200(12V200Ah)



MJB

Specification

Cells Per Unit	6
Voltage Per Unit	12V
Capacity	200Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 59.0 Kg (Tolerance ±5%)
Internal Resistance	≤7.0 mΩ (Full Charge Condition @25°C)
Terminal	Default F10(M8), F16(M8)&L6 Optional
Max. Discharge Current	2000A (5 sec)
Design Life	15 years
Max. Charging Current	40.0 A
Reference Capacity	C ₃ 132.3Ah C ₅ 150.0Ah C ₁₀ 176.0Ah C ₂₀ 200.0Ah
Float Charging Voltage	13.38 V~13.50 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.20 V~14.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DG (Deep Cycle GEL) series is pure GEL battery with 15 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



ISO 9001

ISO 14001

ISO 45001

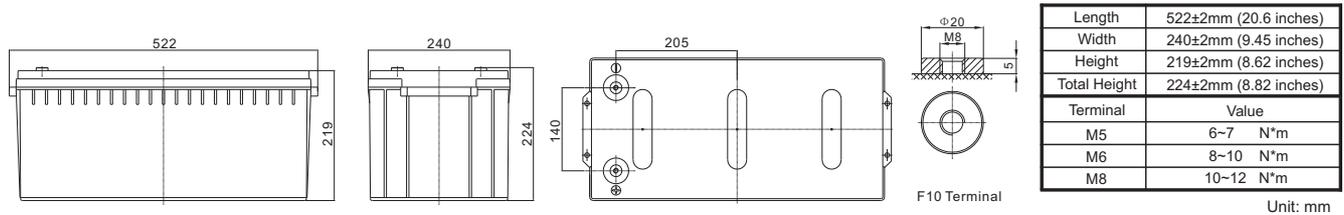


MH 28539



BSTXD210316008519EC

Dimensions



Constant Current Discharge Characteristics : A(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	327.4	265.5	174.2	108.6	66.4	49.7	39.7	33.3	22.5	18.6	10.4
1.65V	309.4	253.9	167.3	104.9	64.2	48.2	38.6	32.4	22.3	18.3	10.2
1.70V	284.9	237.8	159.9	101.5	62.1	46.9	37.6	31.6	21.9	18.1	10.1
1.75V	260.7	221.3	152.8	97.8	60.0	45.5	36.6	30.8	21.6	17.8	10.0
1.80V	236.0	204.3	146.1	94.0	57.8	44.1	35.6	30.0	21.2	17.6	9.90
1.85V	192.9	169.5	125.8	84.3	53.0	40.8	33.0	28.0	19.9	16.6	9.40

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

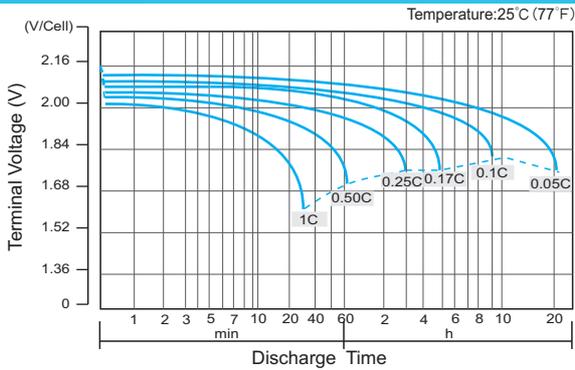
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	556.6	464.2	316.5	204.1	125.8	95.0	76.2	64.2	44.0	36.5	20.5
1.65V	529.6	446.2	306.4	198.5	122.4	92.7	74.4	62.8	43.5	36.1	20.2
1.70V	502.6	428.2	296.4	193.0	119.0	90.4	72.7	61.3	43.0	35.6	20.0
1.75V	468.3	404.2	286.2	187.1	115.4	88.0	71.1	60.0	42.5	35.2	19.8
1.80V	431.3	378.5	276.3	180.9	111.8	85.6	69.3	58.7	41.8	34.8	19.6
1.85V	358.8	318.6	240.4	163.3	103.0	79.5	64.6	54.9	39.4	32.8	18.6

(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 C₂₀ should reach 95% after the first cycle and 100% after the third cycle.

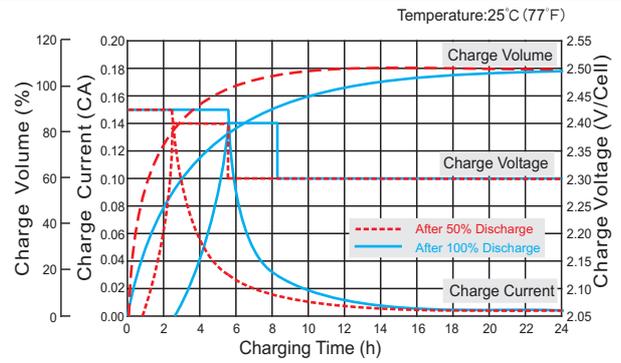
DG12-200(12V200Ah)



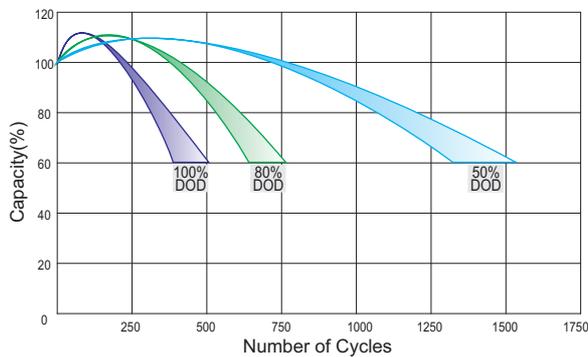
Discharge Characteristics Curve



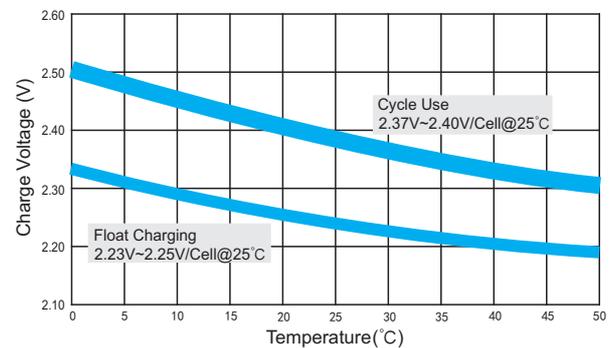
Charge Characteristic Curve for Cycle Use(IUU)



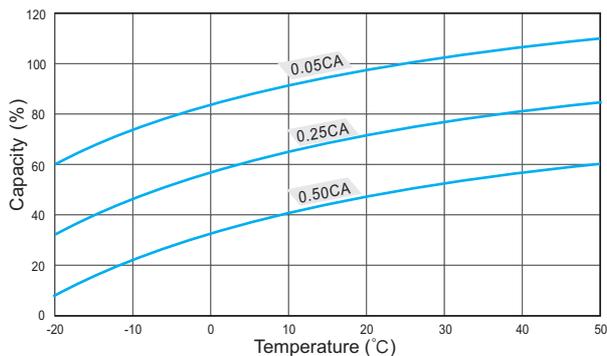
Cycle Life in Relation to Depth of Discharge



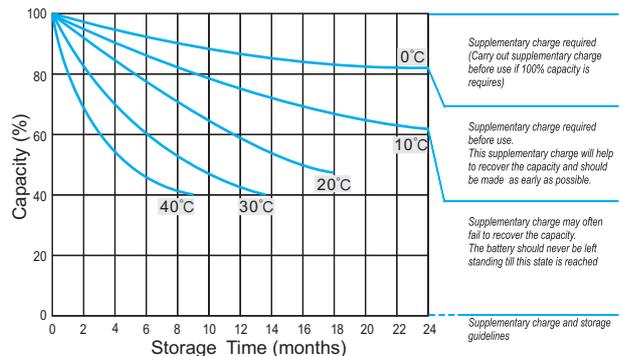
Relationship Between Charging Voltage and Temperature



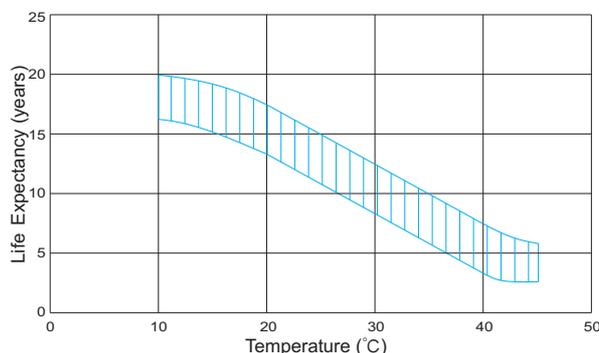
Temperature Effects on Capacity



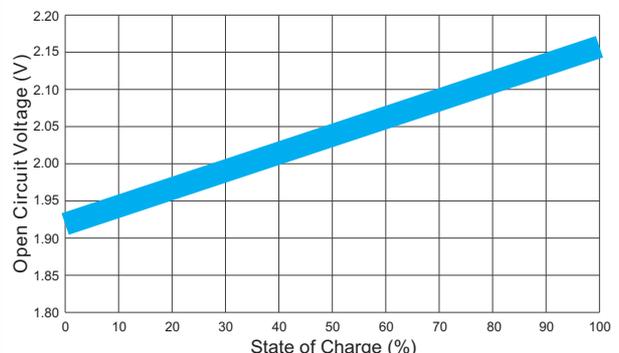
Storage Characteristics



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.

DG12-150(12V150Ah)



MJB

Specification

Cells Per Unit	6
Voltage Per Unit	12V
Capacity	150Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 43.0 Kg (Tolerance ±5%)
Internal Resistance	≤7.0 mΩ (Full Charge Condition @25°C)
Terminal	Default F12(M8), F5(M8) Optional
Max. Discharge Current	1500A (5 sec)
Design Life	15 years
Max. Charging Current	30.0 A
Reference Capacity	C ₃ 99.3Ah C ₅ 112.5Ah C ₁₀ 132.0Ah C ₂₀ 150.0Ah
Float Charging Voltage	13.38 V~13.50 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.20 V~14.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DG (Deep Cycle GEL) series is pure GEL battery with 15 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



ISO 9001

ISO 14001

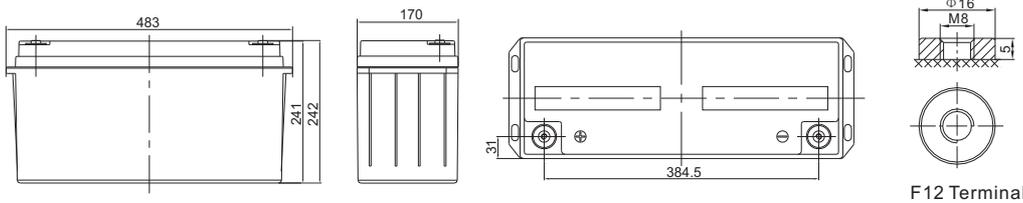
ISO 45001



MH 28539

BSTXD210316008519EC

Dimensions



Length	483±2mm (19.0 inches)
Width	170±2mm (6.69 inches)
Height	241±2mm (9.49 inches)
Total Height	242±2mm (9.53 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

F12 Terminal

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	245.6	199.2	130.7	81.5	49.8	37.3	29.8	25.0	16.9	13.9	7.81
1.65V	232.1	190.4	125.5	78.7	48.2	36.2	29.0	24.3	16.7	13.8	7.68
1.70V	213.6	178.3	119.9	76.1	46.6	35.2	28.2	23.7	16.4	13.5	7.59
1.75V	195.6	166.0	114.6	73.3	45.0	34.1	27.5	23.1	16.2	13.4	7.50
1.80V	177.0	153.2	109.5	70.5	43.4	33.1	26.7	22.5	15.9	13.2	7.42
1.85V	144.7	127.2	94.3	63.2	39.7	30.6	24.8	21.0	15.0	12.4	7.05

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

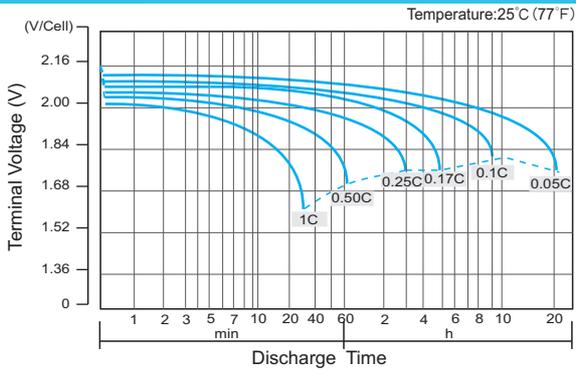
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	417.4	348.2	237.4	153.1	94.3	71.3	57.2	48.1	33.0	27.4	15.4
1.65V	397.2	334.6	229.8	148.9	91.8	69.5	55.8	47.1	32.6	27.0	15.2
1.70V	376.9	321.1	222.3	144.7	89.2	67.8	54.5	46.0	32.2	26.7	15.0
1.75V	351.3	303.2	214.7	140.3	86.5	66.0	53.3	45.0	31.9	26.4	14.8
1.80V	323.5	283.9	207.2	135.7	83.8	64.2	52.0	44.0	31.4	26.1	14.7
1.85V	269.1	238.9	180.3	122.5	77.2	59.7	48.5	41.2	29.5	24.6	14.0

(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 C₂₀ should reach 95% after the first cycle and 100% after the third cycle.

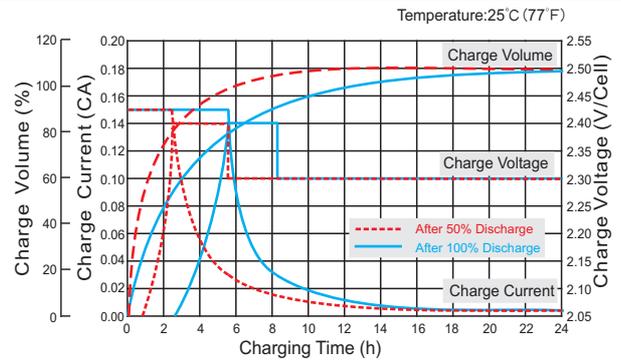
DG12-150(12V150Ah)



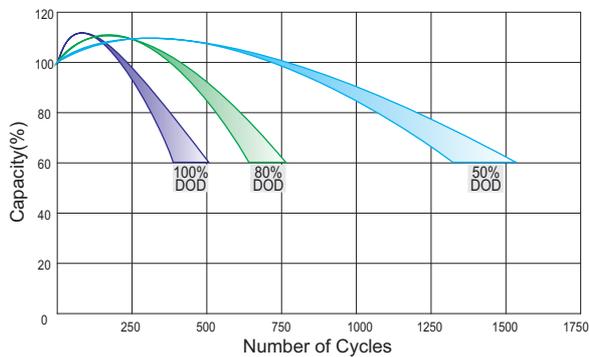
Discharge Characteristics Curve



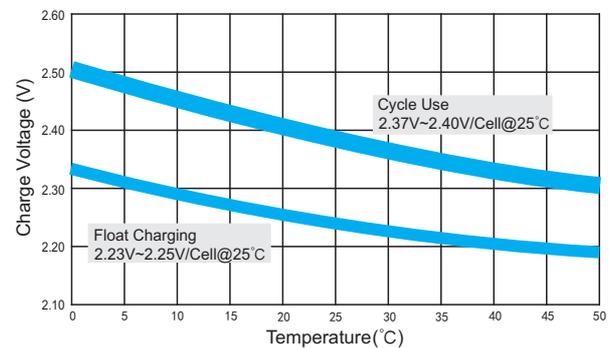
Charge Characteristic Curve for Cycle Use(IUU)



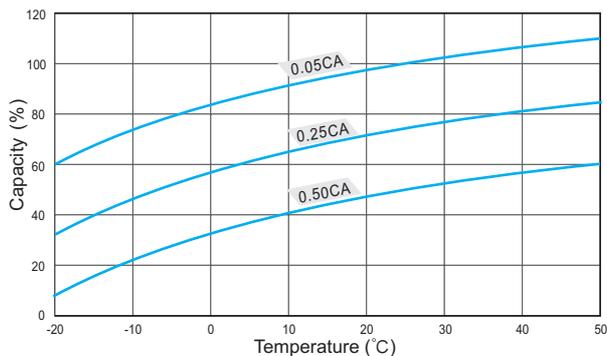
Cycle Life in Relation to Depth of Discharge



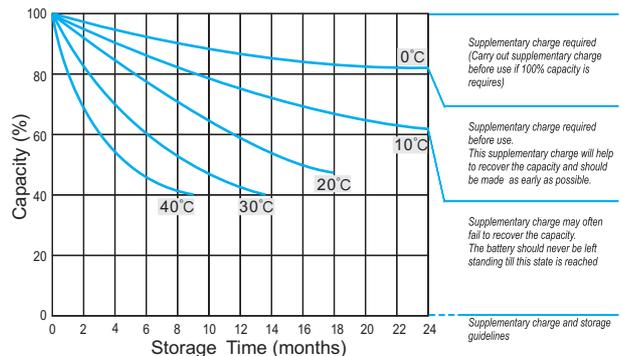
Relationship Between Charging Voltage and Temperature



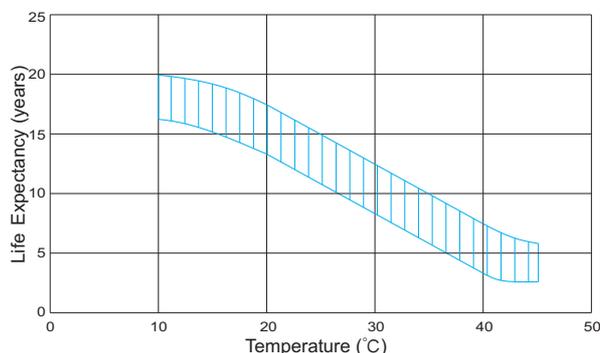
Temperature Effects on Capacity



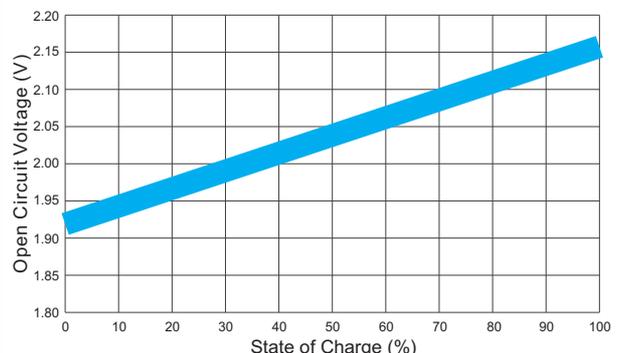
Storage Characteristics



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.

DG12-100(12V100Ah)



MJB

Specification

Cells Per Unit	6
Voltage Per Unit	12V
Capacity	100Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 29.0 Kg (Tolerance ±5%)
Internal Resistance	≤8.5 mΩ (Full Charge Condition @25°C)
Terminal	Default F12(M8), F5(M8)&L7 Optional
Max. Discharge Current	1000A (5 sec)
Design Life	15 years
Max. Charging Current	20.0 A
Reference Capacity	C ₃ 66.0Ah C ₅ 75.0Ah C ₁₀ 88.0Ah C ₂₀ 100.0Ah
Float Charging Voltage	13.38 V~13.50 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.20 V~14.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: 0°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	MJB Valve Regulated Lead Acid (VRLA) GEL batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DG (Deep Cycle GEL) series is pure GEL battery with 15 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented GEL electrolyte, the DG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and it can offers 2 times cyclic life than the standard series. It is suitable for solar & wind system, marine, deep discharge UPS etc.



ISO 9001



ISO 14001



ISO 45001

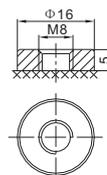
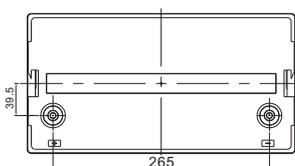
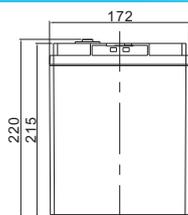


MH 28539



BSTXD210316008519EC

Dimensions



F12 Terminal

Length	328±2mm (12.9 inches)
Width	172±2mm (6.77 inches)
Height	215±2mm (8.46 inches)
Total Height	220±2mm (8.66 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	163.7	132.8	87.1	54.3	33.2	24.9	19.8	16.7	11.3	9.28	5.20
1.65V	154.7	126.9	83.6	52.4	32.1	24.1	19.3	16.2	11.1	9.17	5.12
1.70V	142.4	118.9	79.9	50.7	31.1	23.5	18.8	15.8	11.0	9.03	5.06
1.75V	130.4	110.6	76.4	48.9	30.0	22.8	18.3	15.4	10.8	8.91	5.00
1.80V	118.0	102.2	73.0	47.0	28.9	22.0	17.8	15.0	10.6	8.80	4.95
1.85V	96.4	84.8	62.9	42.2	26.5	20.4	16.5	14.0	10.0	8.28	4.70

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

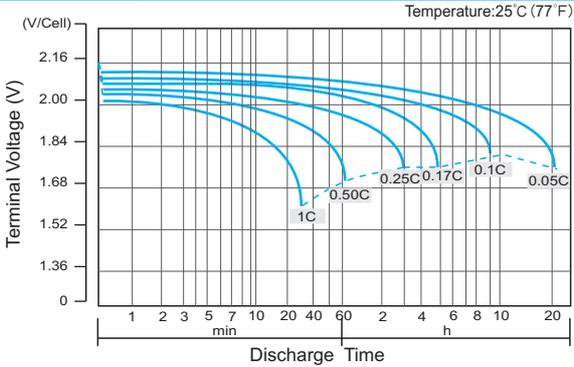
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	278.3	232.1	158.2	102.0	62.9	47.5	38.1	32.1	22.0	18.2	10.2
1.65V	264.8	223.1	153.2	99.3	61.2	46.3	37.2	31.4	21.7	18.0	10.1
1.70V	251.3	214.1	148.2	96.5	59.5	45.2	36.3	30.7	21.5	17.8	10.0
1.75V	234.2	202.1	143.1	93.5	57.7	44.0	35.5	30.0	21.2	17.6	9.88
1.80V	215.7	189.3	138.2	90.5	55.9	42.8	34.6	29.3	20.9	17.4	9.79
1.85V	179.4	159.3	120.2	81.6	51.5	39.8	32.3	27.4	19.7	16.4	9.31

(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.

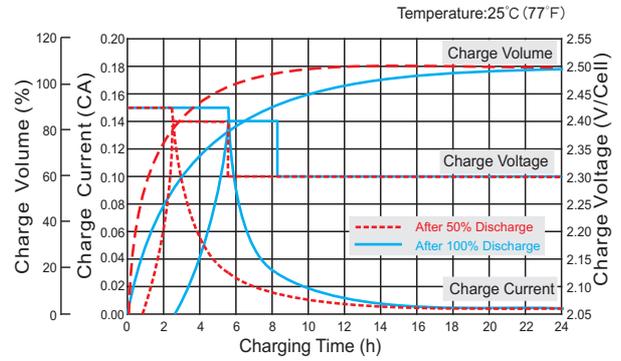
DG12-100(12V100Ah)



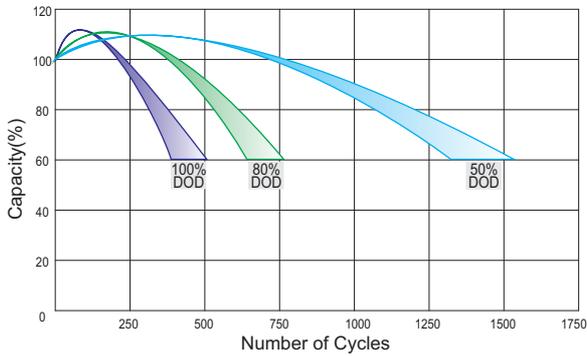
Discharge Characteristics Curve



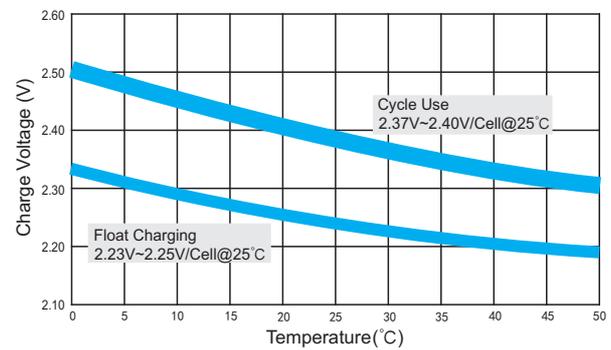
Charge Characteristic Curve for Cycle Use(IUU)



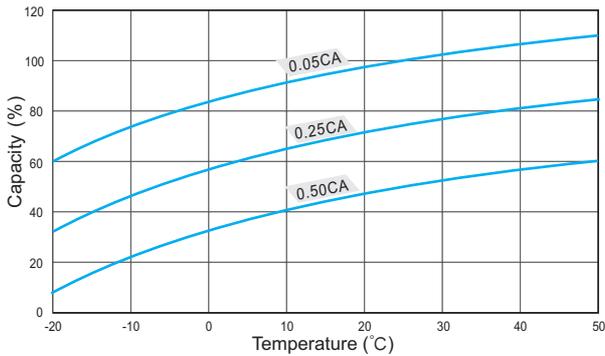
Cycle Life in Relation to Depth of Discharge



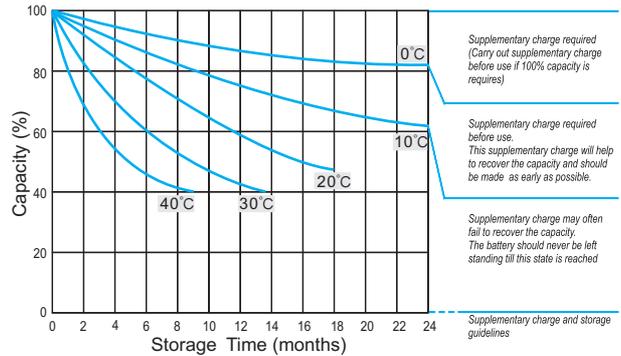
Relationship Between Charging Voltage and Temperature



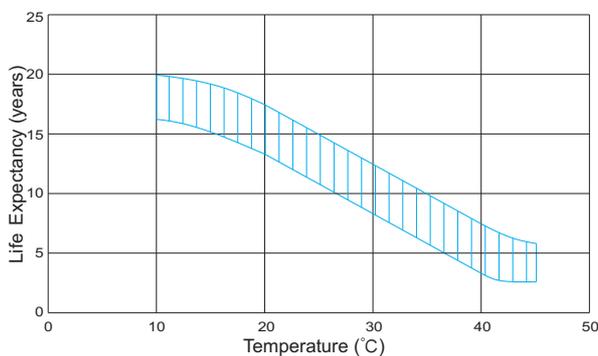
Temperature Effects on Capacity



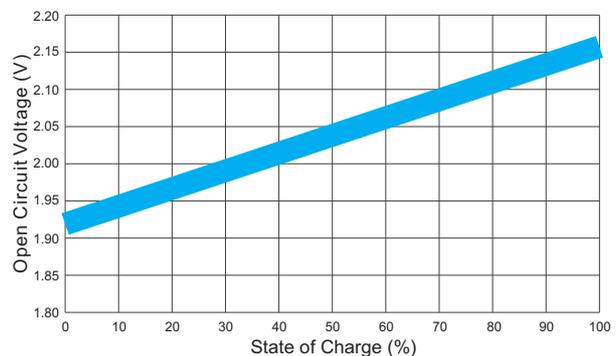
Storage Characteristics



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.