JSB-A12-240(12V240Ah)

JALPOWER

JSB-A12-240 is a general purpose battery with 10 years floating design life,meet with IEC, JIS .BS and Eurobat standard. With heavy duty grid, thickness plates, special additives, RA series battery have long and reliable standby service life. Our RA Series batteries keep high consistent for better performance in series usage.

Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	240Ah@10hr-rate to 1.75V per cell @25℃
Weight	Approx.69.0 Kg
Max. Discharge Current	2400A (5 sec)
Internal Resistance	Approx. 3.8mΩ
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C±5°C
Float charging Voltage	13.6 to 13.8 VDC/unit Average at 25°C
Recommended Maximum Charging Current Limit	72 A
Equalization and Cycle Service	14.6 to 14.8 VDC/unit Average at 25°C
Self Discharge	JALPOWER batteries can be stored for more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.
Terminal	Terminal F12/F16
Container Material	A.B.S. (UL94-HB), Flammability resistance of UL94-V1 can be available upon request.

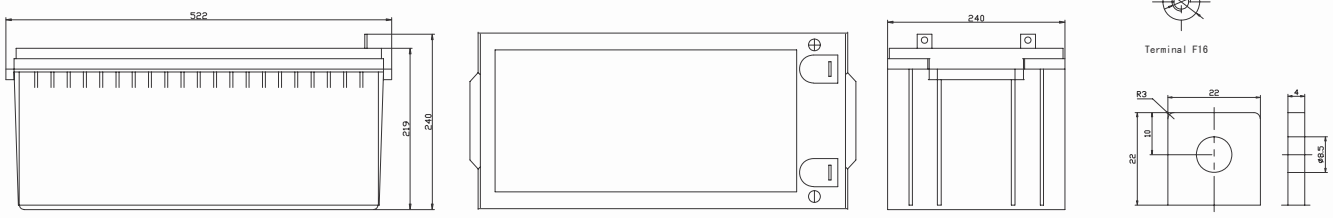
MH28539

G4M20206-0910-E-16

ISO9001:2000 Certificate

Dimensions

Unit: mm Dimension: 522(L)×240(W)×240(H)



Constant Current Discharge Characteristics: A (25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	835.85	617.47	449.28	276.00	156.00	87.142	62.640	51.840	42.432	29.812	25.207	13.331
10.0V	813.50	587.52	440.06	271.44	155.28	86.486	62.400	51.600	42.182	29.570	24.965	13.088
10.2V	766.56	566.78	433.15	269.04	153.84	85.831	61.920	51.360	41.933	29.328	24.722	12.846
10.5V	688.34	523.01	412.42	262.32	152.40	85.176	61.680	50.880	41.434	29.085	24.480	12.604
10.8V	640.51	476.93	380.16	250.80	148.80	83.647	60.000	49.680	40.685	28.600	24.238	12.361
11.1V	557.57	426.24	340.99	234.96	141.36	79.934	57.360	47.280	38.938	27.389	23.510	11.634

Constant Power Discharge Characteristics: W(25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.6V	7960.7	6001.3	4418.6	3114.7	1784.2	1002.5	722.88	599.04	491.21	345.94	283.44	149.71
10.0V	7798.1	5732.0	4326.8	3075.8	1775.5	998.5	721.44	597.60	488.22	344.49	280.53	148.26
10.2V	7361.1	5541.0	4268.1	3039.8	1762.6	989.4	717.12	594.72	486.72	341.58	279.08	146.81
10.5V	6628.6	5120.0	4069.8	2970.7	1745.3	980.2	712.80	590.40	482.23	338.67	276.17	145.35
10.8V	6146.9	4648.8	3739.3	2835.4	1702.1	965.8	695.52	574.56	474.74	331.41	273.26	143.90
11.1V	5306.0	4128.6	3339.1	2656.8	1612.8	921.2	660.96	547.20	450.78	319.78	264.54	138.09

All mentioned values are average values.

JSB-A12-240

12V240Ah

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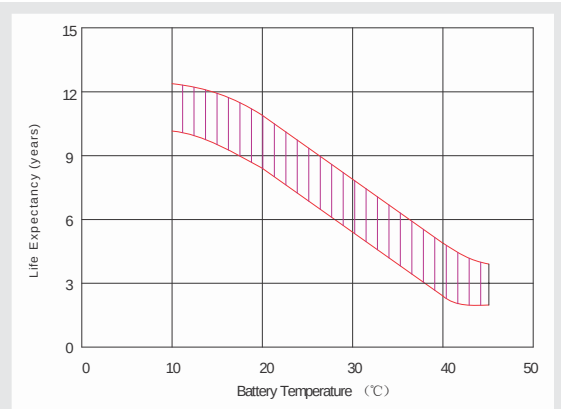
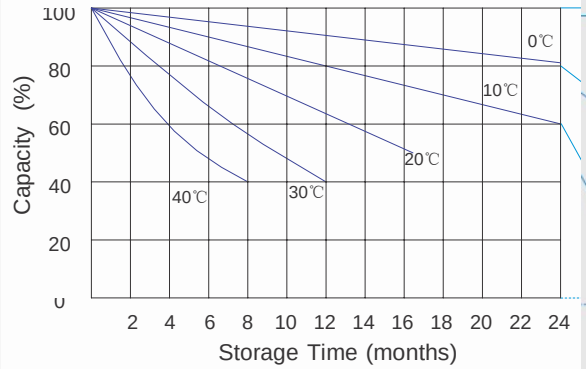
Effect of temperature on long term float life



Storage characteristic



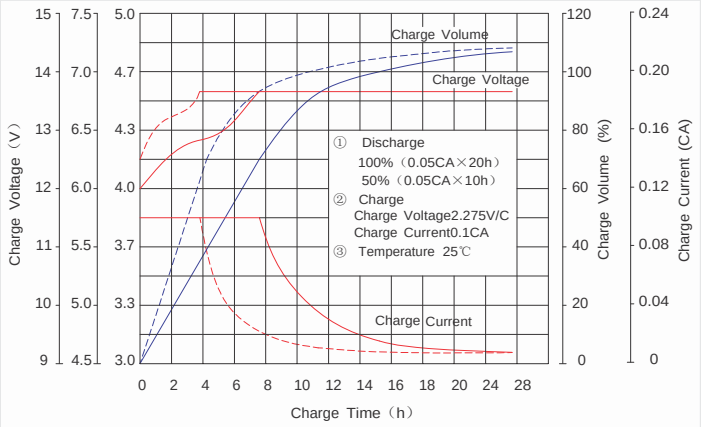
Supplementary charge required (Carry out supplementary charge before use if 100% capacity is requires)

Supplementary charge required before use. This supplementary charge will help to recover the capacity and should be made as early as possible.

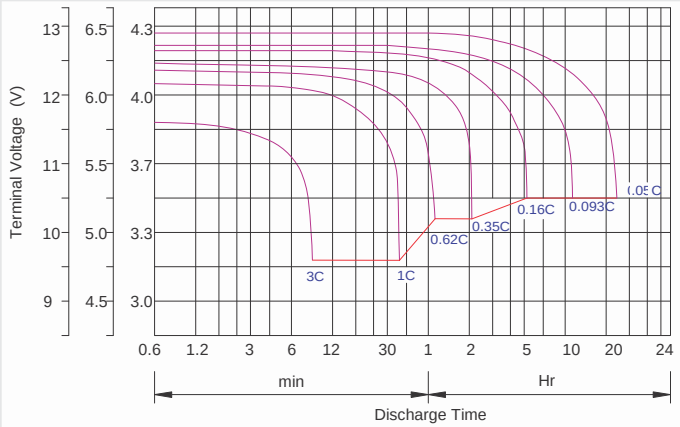
Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this state is reached

Supplementary charge and storage guidelines

Charge characteristic Curve for standby use



Discharge characteristic Curve



Capacity Factors With Different Temperature

Battery Type		-20℃	-10℃	0℃	5℃	10℃	20℃	25℃	30℃	40℃	45℃
GEL Battery	6V&12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%
	2V	60%	75%	85%	88%	92%	99%	100%	103%	105%	106%
AGM Battery	6V&12V	46%	66%	76%	83%	90%	98%	100%	103%	107%	109%
	2V	55%	70%	80%	85%	92%	99%	100%	104%	108%	110%

Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/cell	1.75V	1.70V	1.60V
Discharge Current (A)	（A）≤0.2C	0.2C＜（A）＜1.0C	（A）≥1.0C

Charge the batteries at least once every six months, if they are stored at 25°C.

Charging Method:

Constant Voltage	-0.2Cx2h+2.4-2.45V/cellx24h,Max. Current 0.3CA
Constant Current	-0.2Cx2h+0.1CAx12h
Fast	-0.2Cx2h+0.3CAx4.0h

Maintenance & Cautions

Float Service:
※ Every month, recommend inspection every battery voltage.
※ Every three months, recommend equalization charge for one time.
Equalization charge method:
Discharge: 100% rate capacity discharge.
Charge: Max. current 0.3CA, constant voltage 2.4-2.45V/Cell charge 24h.
※ Effect of temperature on float charge voltage: -3mV/℃/Cell.
※ Length of service life will be directly affected by the number of discharge cycles, depth of discharge, ambient temperature and charging voltage.

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