



Technical Data: AGM200-12

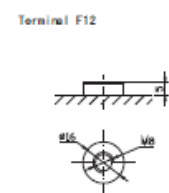
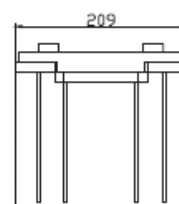
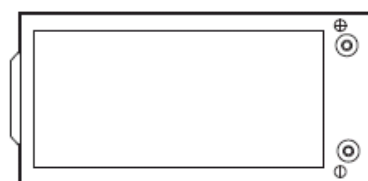
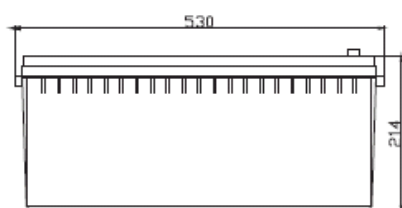
The AGM 200-12 is a general purpose battery with 10 years floating design life, meeting IEC, JIS, BS and Eurobat standards. With heavy duty, grid thickness plates, special additives, this series of batteries have a long life and reliable standby service life.

Specification:

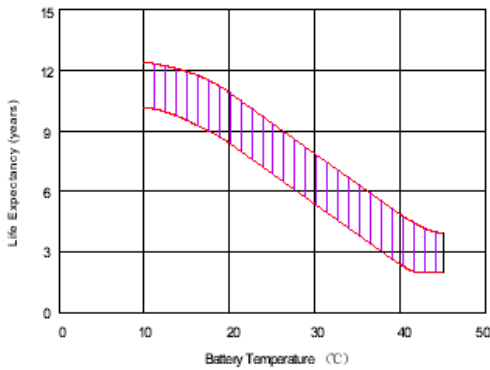
Cells Per unit	6
Voltage per unit	12
Capacity	200Ah@20hr-rate to 1.80V per cell @ 25°C
Weight	Approx. 54.0 Kg
Max. Discharge Current	1800A (5Sec)
Internal Resistance	Approx 4.0mΩ
Operating Temperature range	Discharge: -20°C ~ 60°C Charge: 0°C ~ 50°C Storage: -20°C ~ 60°C
Normal Operating Temp. Range	25°C ± 5°C
Float Charging Voltage	13.6 to 13.8VDC/ unit average at 25°C
Recomm. Max Charging Current	54A
Equalization and Cycle Service	14.6 to 14.8VDC/ unit average at 25°C
Self Discharge	Can be stored for more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge battery before using.
Terminal	Terminal F5/F12
Container Material	A.B.S.(UL94-HB) Flammability resistance of U94-V1.

Dimensions

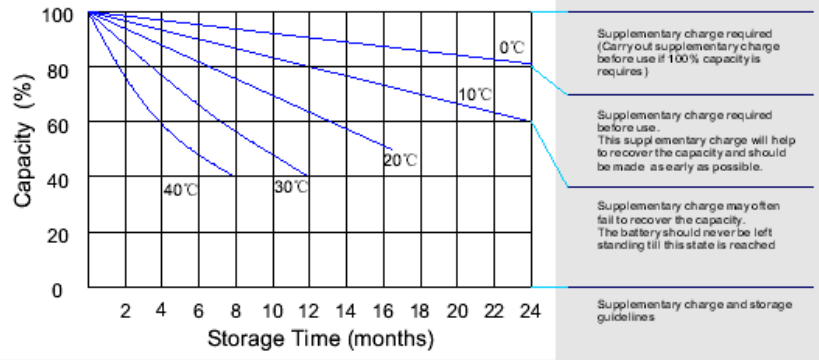
Unit: mm Dimension: 530(L)×209(W)×214(H)



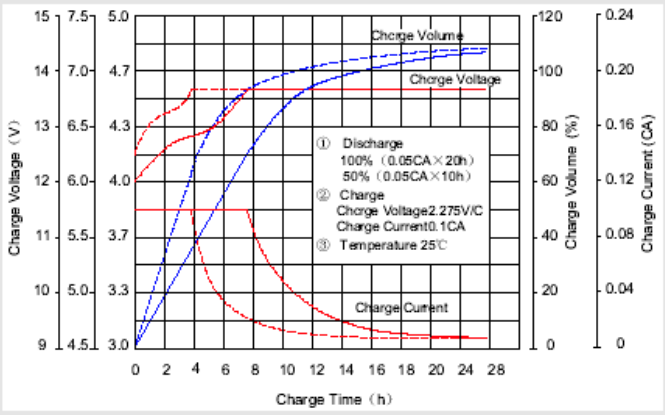
Effect of temperature on long term float life



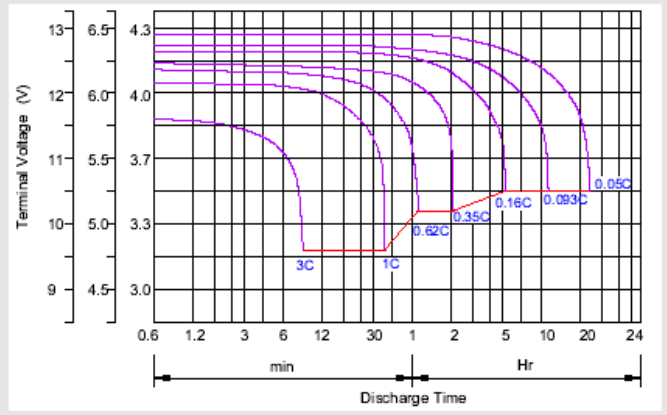
Storage characteristic



Charge characteristic Curve for standby use



Discharge characteristic Curve



Constant Current Discharge Characteristics: A (25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	626.88	463.10	336.96	207.00	117.00	65.356	46.980	38.880	31.824	22.359	18.905	9.9980
10.0V	610.12	440.64	330.05	203.58	116.46	64.865	46.800	38.700	31.637	22.177	18.724	9.8162
10.2V	574.92	425.09	324.86	201.78	115.38	64.373	46.440	38.520	31.450	21.996	18.542	9.6345
10.5V	516.26	392.26	309.31	196.74	114.30	63.882	46.260	38.160	31.075	21.814	18.360	9.4527
10.8V	480.38	357.70	285.12	188.10	111.60	62.735	45.000	37.260	30.514	21.450	18.178	9.2709
11.1V	418.18	319.68	255.74	176.22	106.02	59.951	43.020	35.460	29.203	20.541	17.633	8.7255

Constant Power Discharge Characteristics: W(25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.6V	5970.5	4501.0	3314.0	2336.0	1338.1	751.84	542.16	449.28	368.41	259.46	212.58	112.29
10.0V	5848.5	4299.0	3245.1	2306.9	1331.6	748.89	541.08	448.20	366.16	258.37	210.40	111.20
10.2V	5520.9	4155.8	3201.1	2279.9	1321.9	742.01	537.84	446.04	365.04	256.19	209.31	110.11
10.5V	4971.4	3840.0	3052.4	2228.0	1309.0	735.13	534.60	442.80	361.67	254.01	207.13	109.02
10.8V	4610.2	3486.6	2804.5	2126.5	1276.6	724.32	521.64	430.92	356.05	248.55	204.95	107.93
11.1V	3979.5	3096.4	2504.3	1992.6	1209.6	690.91	495.72	410.40	338.08	239.83	198.41	103.56

Capacity Factors With Different Temperature

-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
46%	66%	76%	83%	90%	98%	100%	103%	107%	109%

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 6 months, if they are stored at 25°C