

MP-122000-AGR

Features:

DC-MG (Deep Cycle GEL) series is hybrid GEL battery with 12 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 DC-MG series offers excellent recovery capability after deep discharge under frequent cyclic discharge use, and can deliver 380 cycles at 100% DOD. Suitable for solar & wind system, CATV, marine, RV and deep discharge UPS, and telecommunication, etc.



LEAVE POWER FOR MEDAL POWER

Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	200Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 56.0 Kg (Tolerance ±3. 0%)
Internal Resistance	Approx. 4.3 mΩ
Terminal	F10(M8)/F16(M8)
Max. Discharge Current	2000A (5 sec)
Design Life	12 years (floating charge)
Maximum Charging Current	60.0 A
Reference Capacity	C3 152.9AH C5 172.3AH C10 190.5AH C20 200.0AH
Float Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C Cell
Cycle Use Voltage	14.6 V~14.8 V @ 25°C Temperature Compensation: -4mV/°C/ Cell
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C ± 5°C
Self Discharge	Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C Please charged batteries before using.
Container Material	A. B. S. UL94-HB, UL94-V0 Optional.

Dimensions

Length	522±2mm (20.6 inches)
Width	240±2mm (9.45 inches)
Height	219±2mm (8.62 inches)
Total Height	224±2mm (8.82 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

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Constant Current Discharge Characteristics : A(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	428.3	343.7	211.3	121.5	72.34	56.35	44.20	37.60	24.12	20.00	10.37
1.65V	394.5	321.4	200.2	117.3	69.92	54.62	42.88	36.42	23.93	19.81	10.31
1.70V	365.7	302.2	189.8	113.6	68.05	52.31	41.56	35.43	23.55	19.43	10.18
1.75V	335.5	283.1	182.3	110.0	65.44	50.96	40.42	34.45	23.17	19.24	10.00
1.80V	305.3	259.2	175.6	105.1	63.20	50.00	39.48	34.00	22.79	19.05	9.903
1.85V	238.9	214.5	148.9	93.83	57.80	46.54	37.02	31.30	21.46	17.90	9.811

Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	729.3	599.5	384.0	228.0	136.8	107.0	85.19	71.17	47.00	39.22	20.69
1.65V	702.3	582.9	375.0	224.1	133.1	104.3	83.11	69.24	46.62	38.85	20.51
1.70V	655.5	551.7	356.9	217.6	129.8	100.3	80.47	67.51	46.06	38.09	20.32
1.75V	609.9	520.7	344.4	211.5	125.1	97.86	78.58	65.97	45.30	37.71	19.95
1.80V	562.0	481.4	333.3	202.9	122.3	97.31	77.07	65.09	44.55	37.34	19.77
1.85V	445.8	404.4	285.8	182.2	112.6	90.77	72.53	60.20	42.11	35.26	19.58

