

LEAD ACID (DEEP CYCLE) BATTERY

MD55-12

Marvel MD series is specially designed for frequent discharge deep cycle applications. By using the specially designed active material, strong grids and thick plate construction, the series battery offers reliable performance in high load situations and could provide competitive cycle performance.

Suitable for electric vehicles and golf carts; industrial equipment, floor machines, forklifts, aerial lifts, and robotics; marine, RV, and no-idle solutions; mobility and medical equipment; and most outdoor application.







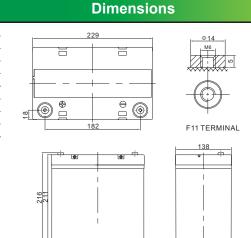






MADE IN VIETNAM / CHINA

SPECIFICATION Cells Per Unit 12 Voltage Per Unit 55Ah@20hr-rate to 1.75V per cell @25 Capacity Weight Approx. 17.5 Kg (Tolerance±3%) Internal Resistance Approx. 6.0 mΩ Terminal F15(M6)/F11(M6) Max. Discharge Current 550A (5 sec) 12 years (floating charge) Design Life Maximum Charging Current 42.0AH C3 C5 47.4AH Reference Capacity C10 52.4AH 55.0AH C20 13.6 V~13.8 V @ 25°C Float Charging Voltage Temperature Compensation: -3mV/ /Cell 14.6 V~14.8 V @ 25°C Cycle Use Voltage Temperature Compensation: -4mV/ Discharge: -20°C~60°C Operating Temperature Range Charge: 0°C~50°C Storage: -20°C~60°C Normal Operating Temperature Range 25°C±5°C Marvel 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 Self-discharge ratio is lessthan 3% at 25°C.Please charged batteries before using. A.B.S. UL94-HB, UL94-V0 Optional. ontainer Material



Length	229±2mm (9.02 inches)					
Width	138±2mm (5.43 inches)					
Height	211±2mm (8.31 inches)					
Total Height	216±2mm (8.50 inches					
Terminal	Value					
Terminal M5	Value 6~7 N*m					
	74.45					

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	133.5	101.5	59.90	33.40	19.89	15.50	12.16	10.34	6.632	5.500	2.850	
1.65V	123.0	94.93	56.74	32.27	19.23	15.02	11.79	10.01	6.579	5.448	2.835	
1.70V	114.0	89.27	53.80	31.23	18.71	14.38	11.43	9.744	6.475	5.343	2.800	
1.75V	104.6	83.62	51.67	30.25	18.00	14.01	11.12	9.473	6.371	5.290	2.750	
1.80V	95.19	76.57	49.77	28.91	17.38	13.75	10.86	9.350	6.266	5.238	2.723	
1.85V	74.48	63.36	42.20	25.80	15.89	12.80	10.18	8.607	5.901	4.924	2.698	
Constant Power Discharge Characteristics : WPC(25°C)												
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR	
1.60V	227.4	177.1	108.8	62.71	37.61	29.42	23.43	19.57	12.92	10.79	5.691	
1.65V	219.0	172.2	106.3	61.64	36.60	28.69	22.86	19.04	12.82	10.68	5.640	
1.70V	204.4	163.0	101.2	59.83	35.68	27.59	22.13	18.57	12.67	10.48	5.589	
1.75V	190.2	153.8	97.63	58.17	34.41	26.91	21.61	18.14	12.46	10.37	5.487	
1.80V	175.2	142.2	94.47	55.79	33.63	26.76	21.19	17.90	12.25	10.27	5.437	
1.85V	139.0	119.5	81.02	50.11	30.97	24.96	19.95	16.56	11.58	9.697	5.386	

