

MARATHON® M2V550

Valve Regulated Lead Acid
Battery for Standby Power
Applications

MARATHON® Features:

- **Heavy duty Copper-alloy terminals** for ease of assembly and reduced maintenance
- **Reinforced Polypropylene container and cover**
- **Heat-sealed case-to-cover bond** to ensure a leak-proof seal
- **Patented “Diamond Side-Wall” design** to maintain structural integrity in higher operating temperatures
- **Integrated cover provides insulation** for terminal connections
- **Reliable one-way, self-resealing safety vents**
- **High-Compression Absorbent Glass Mat (AGM) technology** for greater than 99% recombination efficiency
- **Horizontal or vertical operation**
- **High-Tin, Calcium, Silver positive plate design** for maximum service float life – 10 year design life @ 25°C (77°F)
- **Recyclable to world standards**



SPECIFICATIONS

Nominal Voltage:	2 Volts
Nominal Capacity:	550 Amp-Hours at the 8-hour rate to 1.75 volts per cell at 25°C (77°F)
Alloy:	Positive: Lead, Tin, Calcium and Silver
Negative:	Lead Calcium
Terminal:	Threaded (M6) copper alloy
Container:	Standard Polypropylene only
Safety Vent:	One-way, self-resealing safety vents
Float Voltage:	2.27 volts per cell @ 25°C (77°F)
Dimensions:	12.07" (307mm) L x 6.87" (175 mm) W x 9.46" (240 mm) H
Weight:	71.5 lb (32.4 kg)



INDUSTRIAL POWER

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Amperes @ 25°C (77°F), Marathon® M2V550 Performance Specifications

End Volts Per Cell	Time													
	24	12	10	9	8	7	6	5	4	3	2.5	2	1.5	1
1.94	20.3	37.4	43.9	48.1	53.4	60.0	68.7	80.6	98.6	124.5	140.6	167.0	205.2	275.0
1.92	21.4	39.6	46.6	51.1	56.8	63.9	73.2	86.1	104.9	131.8	149.4	178.3	220.8	298.5
1.90	22.6	41.9	49.3	54.2	60.2	67.8	77.8	91.5	111.7	139.5	158.6	190.1	236.8	322.8
1.87	23.7	44.1	52.0	57.1	63.5	71.6	82.2	96.8	118.3	147.2	168.0	202.3	248.6	328.7

End Volts Per Cell	Time													
	24	12	10	9	8	7	6	5	4	3	2.5	2	1.5	1
1.85	24.4	45.6	53.8	59.1	65.7	74.1	85.2	100.4	122.7	152.4	174.3	210.7	255.3	334.5
1.83	24.8	46.3	54.6	60.1	66.8	75.4	86.6	102.1	124.9	155.3	177.8	215.2	262.5	347.4
1.81	25.1	47.0	55.4	60.9	67.8	76.5	87.9	103.6	126.8	157.8	180.8	219.1	268.6	358.0
1.80	25.3	47.4	55.9	61.4	68.3	77.1	88.7	104.6	128.1	159.5	182.9	221.9	273.3	366.6

End Volts Per Cell	Time													
	24	12	10	9	8	7	6	5	4	3	2.5	2	1.5	1
1.78	25.4	47.7	56.3	61.9	68.9	77.7	89.4	105.5	129.2	160.8	184.5	224.0	276.6	372.5
1.75	25.7	48.2	56.8	62.4	69.4	78.3	90.0	106.3	130.0	162.2	186.1	226.0	279.8	378.1

Watts per Cell @ 25°C (77°F), Marathon® M2V550 Performance Specifications

End Volts Per Cell	Time													
	24	12	10	9	8	7	6	5	4	3	2.5	2	1.5	1
1.94	40.8	76.2	89.8	98.7	109.8	123.8	139.1	159.8	189.3	235.6	268.9	316.0	379.2	490.2
1.92	42.9	80.5	95.0	104.5	116.3	129.9	146.2	168.1	199.4	248.6	283.6	333.3	402.1	524.0
1.90	45.1	84.8	100.2	110.3	122.9	136.6	153.5	176.2	208.6	259.3	297.7	352.4	427.5	561.2
1.87	47.1	88.7	104.7	115.3	128.3	143.1	160.9	184.8	219.0	272.5	313.0	370.8	454.0	603.9

End Volts Per Cell	Time													
	24	12	10	9	8	7	6	5	4	3	2.5	2	1.5	1
1.85	48.4	91.5	108.1	119.1	132.7	147.9	166.1	190.5	225.2	279.5	320.5	379.0	470.4	637.8
1.83	49.0	92.8	109.8	120.9	134.8	149.7	168.2	193.2	228.9	284.8	327.1	387.5	482.2	656.0
1.81	49.7	94.2	111.4	122.8	136.9	151.4	170.4	196.0	232.7	290.2	333.8	396.2	494.1	674.5
1.80	50.0	94.9	112.3	123.8	138.0	152.3	171.5	197.5	234.6	292.9	337.1	400.5	500.1	683.8

End Volts Per Cell	Time													
	24	12	10	9	8	7	6	5	4	3	2.5	2	1.5	1
1.78	50.3	95.4	112.9	124.4	138.7	152.7	172.3	198.7	236.5	296.2	341.6	406.7	509.2	699.2
1.75	50.4	96.0	113.7	125.5	139.0	154.1	173.9	200.5	238.8	299.0	344.8	410.5	514.4	707.0

Footnote D = For Seismic (Zone 2-4) Heavy Duty Rack, Change s61 prefix to s66

LIGHT DUTY (ZONE 0 - 1) RACKS		
DESCRIPTION	PART NUMBER	MAX UNITS
1-TIER, 1-ROW [®]	S61-411252-003	4
	S61-411252-006	5
	S61-411252-009	6
2-TIER, 1-ROW [®]	S61-411253-003	8
	S61-411253-006	10
	S61-411253-009	12
3-TIER, 1-ROW [®]	S61-411254-003	12
	S61-411254-006	15
	S61-411254-009	18
4-TIER, 1-ROW [®]	S61-411255-003	16
	S61-411255-006	20
	S61-411255-009	24

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