MARATHON®

MARATHON® M2V300

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**

SPECIFICATIONS

Nominal Voltage:	2 Volts
Nominal Capacity:	270 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:	7.83" (199mm) L x 6.50" (168mm) W x 7.67" (195mm) H
Weight:	36.6 lb (16.6 kg)

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Amperes @ 25°C (77°F), Marathon® M2V300 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	9.9	18.7	22.1	24.3	27.1	30.2	34.3	39.8	47.9	60.7	70.6	84.9	105.0	141.6
1.92	10.4	19.7	23.3	25.7	28.4	31.7	36.1	42.0	50.6	64.3	74.8	90.1	111.5	150.7
1.90	11.0	20.7	24.5	26.9	30.0	33.3	37.9	44.2	53.3	67.9	79.1	95.4	118.3	160.3
1.87	11.5	21.7	25.6	28.1	31.3	34.9	39.8	46.5	56.1	71.7	83.6	101.0	125.5	170.3

End Volts Per Cell	Time													
	24	12	10	9	8	7	6	5	4	3	2.5	2	1.5	1
1.85	11.9	22.3	26.3	28.9	32.1	36.1	41.0	48.0	58.0	74.2	86.6	104.7	129.8	175.7
1.83	12.2	22.6	26.7	29.3	32.5	36.6	41.6	48.7	59.0	75.5	88.2	106.8	132.8	180.5
1.81	12.5	23.0	27.0	29.6	32.8	36.9	42.1	49.3	59.8	76.5	89.5	108.5	135.5	185.5
1.80	12.7	23.2	27.2	29.8	33.1	37.2	42.5	49.8	60.5	77.4	90.6	109.9	137.4	188.1

End Volts Per Cell	Time													
	24	12	10	9	8	7	6	5	4	3	2.5	2	1.5	1
1.78	12.8	23.5	27.5	30.1	33.4	37.5	42.9	50.3	61.0	78.1	91.4	110.9	139.0	191.1
1.75	13.0	23.7	27.8	30.4	33.8	37.8	43.2	50.5	61.3	78.5	91.8	111.3	140.2	194.2

Watts per Cell @ 25°C (77°F), Marathon® M2V300 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	19.4	36.9	43.7	47.8	52.4	58.8	67.5	79.4	96.8	125.3	143.9	170.5	206.1	269.2
1.92	20.6	38.3	45.1	49.5	55.0	62.0	71.1	83.7	102.1	132.0	151.9	180.3	217.5	283.4
1.90	21.3	40.0	47.3	52.1	58.0	65.5	75.4	89.0	109.2	138.0	159.3	190.0	229.5	299.5
1.87	22.3	41.8	49.3	54.3	60.4	68.2	78.4	92.5	113.3	147.1	168.5	199.0	241.5	317.2

End Volts Per Cell	Time													
	24	12	10	9	8	7	6	5	4	3	2.5	2	1.5	1
1.85	22.9	43.0	50.7	55.9	62.2	70.2	80.8	95.4	116.9	151.8	173.8	205.0	249.7	329.6
1.83	23.1	43.6	51.4	56.6	63.1	71.2	82.0	96.8	118.7	154.4	176.6	208.2	254.3	337.1
1.81	23.4	44.1	52.1	57.4	63.9	72.3	83.2	98.3	120.6	156.9	179.4	211.4	259.0	344.9
1.80	23.5	44.4	52.5	57.8	64.4	72.8	83.8	99.0	121.5	158.2	180.8	213.0	261.4	348.9

End Volts Per Cell	Time													
	24	12	10	9	8	7	6	5	4	3	2.5	2	1.5	1
1.78	23.7	44.7	52.8	58.2	64.8	73.3	84.4	99.8	122.5	159.4	182.2	214.5	263.7	352.9
1.75	23.9	45.1	53.4	58.8	65.5	74.0	85.3	100.9	123.9	161.3	183.7	215.5	266.3	359.0

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

LIGHT DUTY (ZONE 0 - 1) RACKS		
DESCRIPTION	**PART NUMBER**	**MAX UNITS**
1-TIER, 1-ROW[D]	S61-411252-001	4
	S61-411252-004	5
	S61-411252-007	6
2-TIER, 1-ROW[D]	S61-411253-001	8
	S61-411253-004	10
	S61-411253-007	12
3-TIER, 1-ROW[D]	S61-411254-001	12
	S61-411254-004	15
	S61-411254-007	18
4-TIER, 1-ROW[D]	S61-411255-001	16
	S61-411255-004	20
	S61-411255-007	24

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