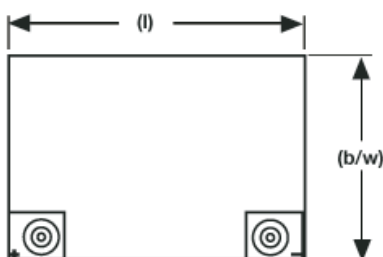
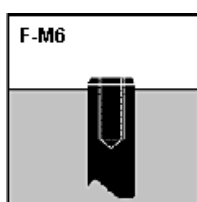


Marathon – M12V90 data sheet



Terminal: Drawing:



Specifications:

Part numbers not valid for North America, use type for ordering!

Discharge figures are also valid for **UL 94 V0** version. Change "H" to "V" in the part number.

Example

Standard	NAMT120090	H	MOFA
UL 94 V0	NAMT120090	V	MOFA

Exide type designation	Nom. Voltage V	Nom. capacity C ₁₀ 1.80 Vpc 20°C Ah	Nom. capacity C ₈ 1.75 Vpc 25°C Ah	Length (l) max. mm	Width (b/w) max. mm	Height (h1) max. mm	Height over terminals (h2) max. mm	Weight approx. kg	Internal resistance mOhm	Short circuit current A	Terminal
M12V90	12	88.3	90.0	306	174	224	235	32.8	3.7	3365	F-M6

Constant-current discharge in A @ 25 °C

Part number	Vpc	30 min	1 h	1,5 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	12 h	24 h
NAMT120090HM0FA	1.94	72.7	45.5	33.4	26.8	19.6	15.3	12.6	10.7	9.41	8.44	7.57	6.89	5.92	3.20
NAMT120090HM0FA	1.92	77.9	48.9	35.4	28.1	20.5	16.2	13.3	11.4	10.0	8.93	8.05	7.37	6.31	3.49
NAMT120090HM0FA	1.90	83.3	52.5	37.6	29.6	21.5	16.9	14.1	12.2	10.6	9.51	8.54	7.76	6.60	3.59
NAMT120090HM0FA	1.87	89.2	55.9	39.8	31.4	22.8	17.9	14.8	12.7	11.2	10.0	9.03	8.25	6.99	3.78
NAMT120090HM0FA	1.85	93.2	58.3	41.5	32.5	23.5	18.5	15.3	13.2	11.6	10.3	9.32	8.44	7.18	3.88
NAMT120090HM0FA	1.83	95.4	59.4	42.1	33.1	23.9	18.8	15.6	13.3	11.8	10.4	9.51	8.64	7.28	3.88
NAMT120090HM0FA	1.81	96.9	60.4	42.9	33.7	24.3	19.1	15.8	13.5	12.0	10.6	9.61	8.73	7.37	3.98
NAMT120090HM0FA	1.80	98.3	60.9	43.3	33.9	24.5	19.3	16.0	13.6	12.1	10.7	9.71	8.83	7.47	3.98
NAMT120090HM0FA	1.78	100	61.5	43.6	34.2	24.7	19.4	16.1	13.7	12.2	10.8	9.71	8.83	7.47	3.98
NAMT120090HM0FA	1.75	101	62.5	44.3	34.7	25.1	19.6	16.2	13.8	12.3	10.8	9.80	8.93	7.57	4.07

Constant-power discharge in W/cell @ 25 °C

Part number	Vpc	30 min	1 h	1,5 h	2 h	3 h	4 h	6 h	8 h	9 h	10 h	12 h	24 h
NAMT120090HM0FA	1.94	137	89.2	64.4	51.1	37.6	29.9	21.1	16.3	14.6	13.3	11.2	5.92
NAMT120090HM0FA	1.92	147	96.2	69.0	54.5	39.9	31.4	22.6	17.3	15.6	14.0	11.9	6.21
NAMT120090HM0FA	1.90	161	103	73.6	57.9	42.2	33.2	23.6	18.4	16.5	14.9	12.6	6.60

NAMT120090HM0FA	1.87	172	109	77.9	61.2	44.4	34.9	24.8	19.5	17.3	15.7	13.3	6.89
NAMT120090HM0FA	1.85	180	113	80.8	63.4	45.9	36.0	25.6	20.1	18.0	16.3	13.6	7.08
NAMT120090HM0FA	1.83	185	116	82.5	64.6	46.8	36.6	26.0	20.4	18.3	16.6	13.8	7.18
NAMT120090HM0FA	1.80	193	120	84.9	66.4	47.9	37.4	26.5	20.9	18.7	16.8	14.2	7.37
NAMT120090HM0FA	1.78	196	121	85.6	67.0	48.3	37.7	26.7	21.0	18.8	16.9	14.3	7.37
NAMT120090HM0FA	1.75	198	122	86.6	67.7	48.8	38.1	26.8	21.2	19.0	17.1	14.4	7.47