



MP1-6

Nominal Voltage (V) 6V

Nominal Capacity

20hour rate (0.05A to 5.25V)	1Ah
10hour rate (0.1A to 5.25V)	1Ah
5hour rate (0.17A to 5.25V)	0.85Ah
1C (1A to 4.80V)	0.45Ah
3C (3A to 4.80V)	0.36Ah

Weight 0.268kg(0.59Lbs.)

Internal Resistance (at 1KHz) 33 mΩ

Maximum Discharge Current for 30 seconds : 20A

Maximum Discharge Current for 5 seconds : 40A

Operating Temperature Range

Charge	0°C (32°F) to 40°C (104°F)
Discharge	-15°C (5°F) to 50°C (122°F)
Storage	-15°C (5°F) to 40°C (104°F)

Charge Retention (shelf life) at 20°C (68°F)

1 month	92%
3 month	90%
6 month	80%

Charging Methods at 25°C (77°F)

Cycle use:

Charging Voltage 7.20 to 7.50V
Maximum Charging Current: 0.3A

Standby use:

Float Charging Voltage 6.75 to 6.90V

Life expectancy :

Cycle Use:

- 100% depth of discharge 200 cycles
- 80% depth of discharge 225 cycles
- 50% depth of discharge 500 cycles

Standby Use: 3-5 years

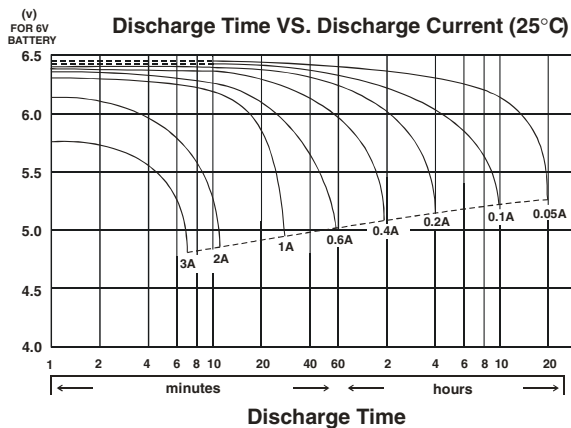
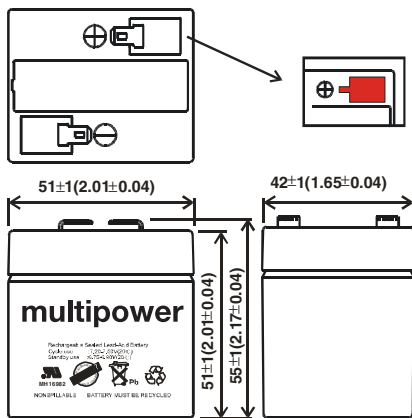
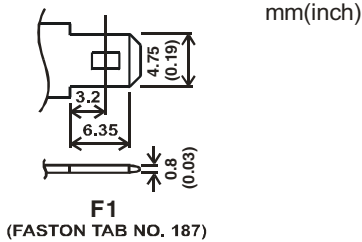
Case Material

ABS

(Option: 94-HB & 94V-0 flame retardant case)

Terminal

F1



PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25°C

End Voltage Time	11.40V	11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
1 min	42.4	48.8	53.8	57.9	62.4	64.8	68.4
2 min	34.1	38.3	41.9	44.5	47.3	50.0	52.3
3 min	29.6	32.3	35.0	37.0	39.3	40.7	42.1
5 min	22.9	25.1	27.1	28.8	30.0	30.6	31.0
7 min	19.3	21.0	22.4	23.5	24.3	24.7	25.0
10 min	15.8	17.0	18.1	18.9	19.3	19.7	19.8
15 min	12.2	13.1	13.8	14.3	14.6	14.8	14.9
20 min	10.0	10.7	11.3	11.6	11.8	11.9	12.0
30 min	7.31	7.90	8.34	8.57	8.70	8.75	8.82
60 min	4.29	4.59	4.83	4.95	5.03	5.06	5.11
90 min	3.14	3.35	3.51	3.59	3.65	3.68	3.72
120 min	2.51	2.67	2.79	2.86	2.91	2.93	2.96
180 min	1.84	1.95	2.03	2.08	2.11	2.13	2.15
240 min	1.47	1.56	1.62	1.66	1.68	1.70	1.72
300 min	1.24	1.31	1.36	1.39	1.41	1.42	1.44
360 min	1.08	1.13	1.17	1.20	1.22	1.23	1.25
480 min	0.86	0.91	0.94	0.96	0.97	0.98	0.99
600 min	0.73	0.76	0.79	0.80	0.81	0.82	0.83
1200 min	0.43	0.44	0.45	0.46	0.47	0.48	0.48

Discharge Rates in Amperes to Various End Voltages at 25°C

End Voltage Time	11.40V	11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
1 min	7.33	9.45	11.3	12.9	13.4	14.5	15.1
2 min	6.28	7.58	8.76	9.71	10.5	11.0	11.7
3 min	5.37	6.54	7.34	8.00	8.48	8.91	9.34
5 min	4.05	5.01	5.50	6.00	6.20	6.39	6.54
10 min	2.63	3.12	3.37	3.57	3.66	3.74	3.80
15 min	2.02	2.34	2.51	2.61	2.65	2.70	2.75
20 min	1.68	1.91	2.03	2.10	2.13	2.16	2.19
25 min	1.45	1.63	1.72	1.77	1.79	1.81	1.84
30 min	1.29	1.43	1.50	1.54	1.56	1.57	1.59
35 min	1.17	1.28	1.34	1.37	1.38	1.39	1.41
45 min	0.99	1.07	1.11	1.13	1.14	1.14	1.16
60 min	0.78	0.86	0.89	0.90	0.91	0.91	0.92
90 min	0.57	0.62	0.64	0.65	0.66	0.66	0.66
120 min	0.45	0.49	0.51	0.52	0.52	0.52	.053
180 min	0.32	0.35	0.37	0.37	0.37	0.38	0.38
240 min	0.25	0.28	0.29	0.29	0.30	0.30	0.30
300 min	0.21	0.23	0.24	0.24	0.25	0.25	0.25
480 min	0.18	0.20	0.21	0.21	0.21	0.21	0.21
600 min	0.12	0.13	0.13	0.14	0.14	0.14	0.14
1200 min	0.07	0.07	0.08	0.08	0.08	0.08	0.08