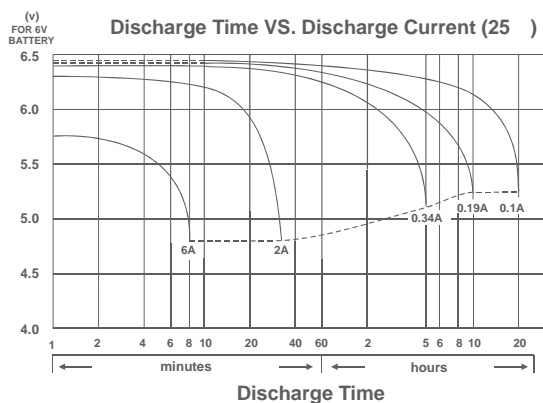
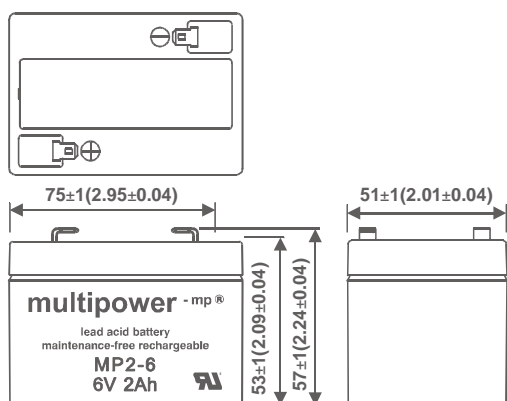
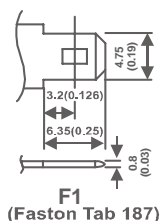


## RECHARGEABLE SEALED LEAD ACID BATTERY

## SPECIFICATION



### MP2-6

**Nominal Voltage(V)** 6V

#### Nominal Capacity

20 hour rate	(0.1A	to 5.25V)	2Ah
10 hour rate	(0.19A	to 5.25V)	1.9Ah
5 hour rate	(0.34A	to 5.1V)	1.7Ah
1 C	(2A	to 4.8V)	1.13Ah
3 C	(6A	to 4.8V)	0.8Ah

**Weight Approx.** 510g(1.12Lbs.)

**Internal Resistance (at 1KHz) Approx.** 26 mΩ

#### Maximum Discharge Current for

**5 seconds:** 30A

#### Charging Methods at 25 (77 °C)

Cycle use:

Charging Voltage 7.35 to 7.40V

Coefficient -5.0mV/°C/cell

Maximum Charging Current: 0.6A

Standby use:

Float Charging Voltage 6.75 to 6.90V

Coefficient -3.0mV/°C/cell

#### Operating Temperature Range

Charge -15 (5 °F) to 40 (104 °F)

Discharge -15 (5 °F) to 50 (122 °F)

Storage -15 (5 °F) to 40 (104 °F)

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

1 month 92%

3 month 90%

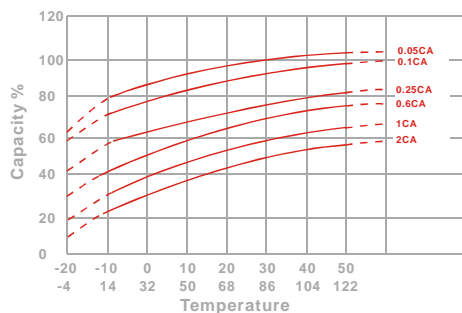
6 month 80%

**Case Material** ABS  
(UL94 HB flame retardant case / cover)

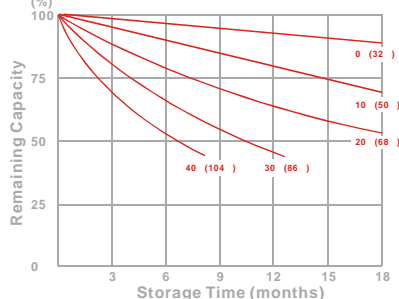
**Terminal** F1(Faston Tab 187)

## CHARACTERISTIC & PERFORMANCE DATA

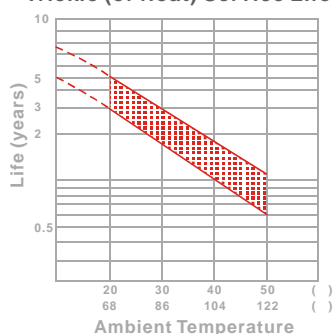
Effect of Temperature on Capacity 25 (77 )



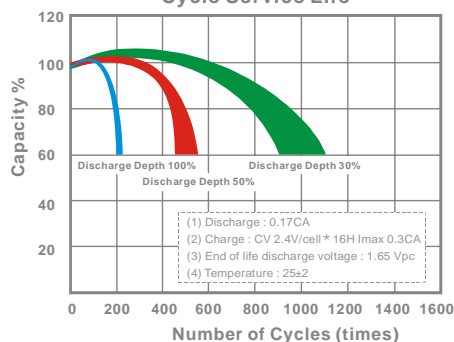
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



### - PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25 (77 )

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	29.0	33.1	36.1	38.7	39.8	41.0	42.7
10	min	18.9	21.8	24.3	25.9	26.6	27.3	28.4
15	min	16.5	18.4	19.5	20.3	20.6	21.0	21.4
30	min	10.7	11.6	12.2	12.7	12.9	13.1	13.3
60	min	6.55	6.92	7.18	7.38	7.45	7.54	7.64
120	min	3.86	4.13	4.32	4.46	4.51	4.57	4.65
180	min	2.65	2.88	3.04	3.16	3.20	3.25	3.32
240	min	2.08	2.27	2.40	2.49	2.52	2.56	2.61
300	min	1.76	1.93	2.04	2.11	2.13	2.16	2.20
600	min	1.11	1.17	1.21	1.24	1.26	1.27	1.29
1200	min	0.582	0.614	0.634	0.650	0.655	0.660	0.666

### - Discharge Rates in Amperes to Various End Voltages at 25 (77 )

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	5.44	6.25	6.93	7.62	7.88	8.22	8.69
10	min	3.62	4.26	4.60	4.91	5.03	5.17	5.39
15	min	2.77	3.22	3.48	3.68	3.76	3.84	3.94
30	min	1.78	2.03	2.17	2.28	2.32	2.37	2.42
60	min	1.17	1.24	1.29	1.32	1.33	1.34	1.35
120	min	0.703	0.746	0.764	0.777	0.781	0.786	0.792
180	min	0.490	0.521	0.534	0.545	0.548	0.552	0.557
240	min	0.394	0.411	0.422	0.431	0.434	0.437	0.441
300	min	0.342	0.353	0.361	0.367	0.370	0.373	0.376
600	min	0.190	0.199	0.205	0.210	0.212	0.213	0.215
1200	min	0.098	0.103	0.106	0.109	0.110	0.111	0.112

All data on the spec. sheet is an average value:

The tolerance range : X<6min(+15%~-15%), 6min X<10min(+12%~-12%), 10min X < 60min(+8%~-8%), X 60min(+5%~-5%)