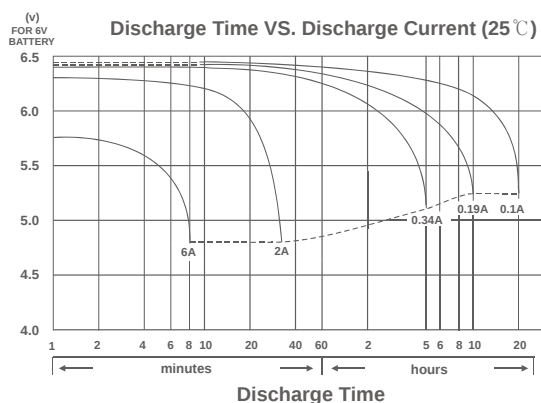
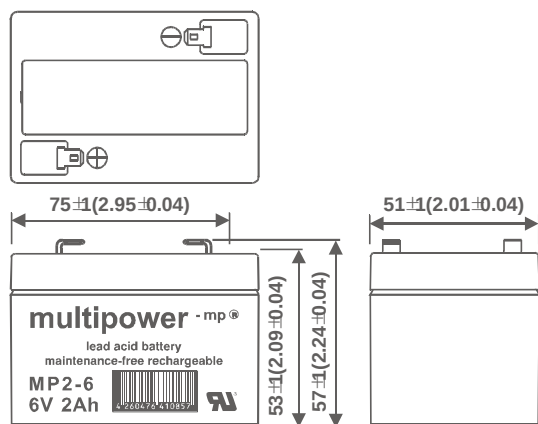
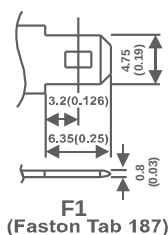


RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION



MP2-6

Nominal Voltage (V) 6V

Nominal Capacity

20 hour rate	(0.1A	to	5.25V)	2.00Ah
10 hour rate	(0.19A	to	5.25V)	1.90Ah
5 hour rate	(0.34A	to	5.1V)	1.70Ah
1 C	(2A	to	4.8V)	1.13Ah
3 C	(6A	to	4.8V)	0.80Ah

Weight Approx. 520g (1.15lbs)

Internal Resistance (at 1KHz) Approx. 26 mΩ

Maximum Discharge Current for

5 seconds: 30A

Charging Methods at 25°C (77°F)

Cycle use:

Charging Voltage 7.35V to 7.40V

Coefficient -5.0mV/°C/cell

Maximum Charging Current: 0.6A

Standby use:

Float Charging Voltage 6.75V to 6.90V

Coefficient -3.0mV/°C/cell

Operating Temperature Range

Charge -15°C (5°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%

Case Material

(UL94 HB flame retardant case / cover)

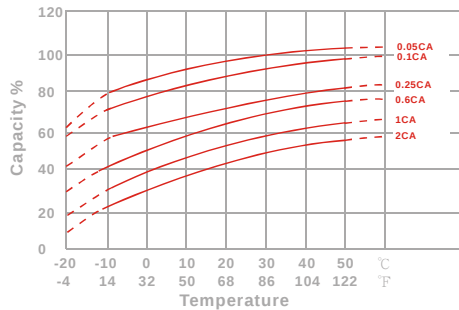
ABS

Terminal

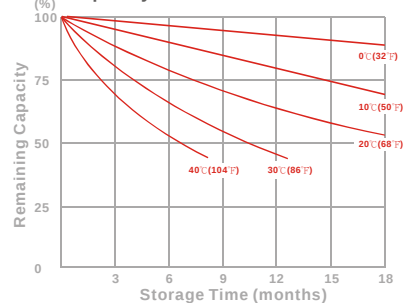
F1 (Faston Tab 187)

CHARACTERISTIC & PERFORMANCE DATA

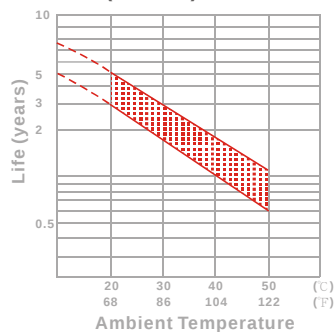
Effect of Temperature on Capacity 25°C (77°F)



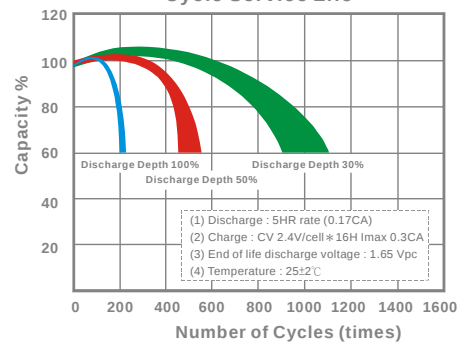
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	9.67	11.0	12.0	12.9	13.3	13.7	14.2
10	min	6.31	7.26	8.09	8.65	8.87	9.10	9.46
15	min	5.51	6.14	6.50	6.78	6.88	7.00	7.14
30	min	3.57	3.87	4.07	4.23	4.30	4.35	4.42
60	min	2.18	2.31	2.39	2.46	2.48	2.51	2.55
120	min	1.29	1.38	1.44	1.49	1.50	1.52	1.55
180	min	0.883	0.960	1.01	1.05	1.07	1.08	1.11
240	min	0.693	0.757	0.800	0.830	0.840	0.853	0.870
300	min	0.587	0.643	0.680	0.703	0.710	0.720	0.735
600	min	0.371	0.390	0.403	0.413	0.419	0.425	0.430
1200	min	0.194	0.205	0.211	0.217	0.218	0.220	0.222

- Discharge Rates in Amperes to Various End Voltages at 25°C (77°F)

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 : $X < 6\text{min}$ (+15%~-15%), $6\text{min} \leq X < 10\text{min}$ (+12%~-12%), $10\text{min} \leq X < 60\text{min}$ (+8%~-8%), $X \geq 60\text{min}$ (+5%~-5%)