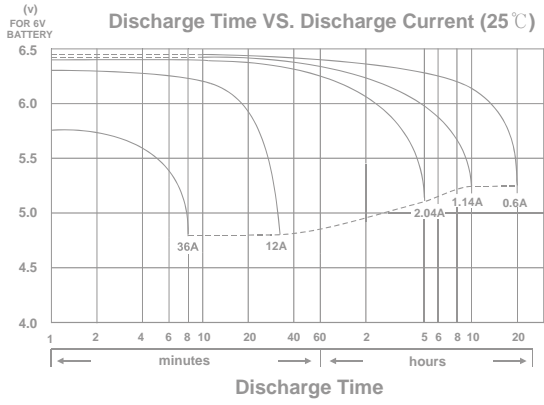
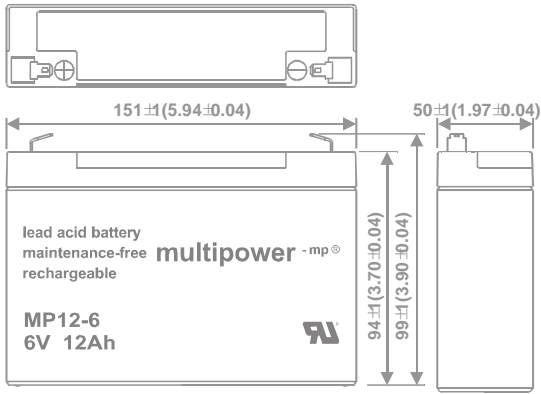
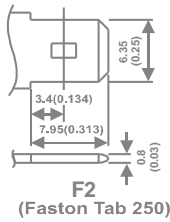


**RECHARGEABLE SEALED LEAD ACID BATTERY**

**SPECIFICATION**



**MP12-6**

**Nominal Voltage(V)** 6V

**Nominal Capacity**

20 hour rate	(0.6A to 5.25V)	12Ah
10 hour rate	(1.14A to 5.25V)	11.4Ah
5 hour rate	(2.04A to 5.1V)	10.2Ah
1 C	(12A to 4.8V)	6.8Ah
3 C	(36A to 4.8V)	4.8Ah

**Weight Approx.** 1.9kg(4.18Lbs.)

**Internal Resistance (at 1KHz) Approx.** 10 mΩ

**Maximum Discharge Current for**

**5 seconds:** 180A

**Charging Methods at 25°C(77°F)**

Cycle use:  
 Charging Voltage 7.20 to 7.50V  
 Coefficient -5.0mv/°C/cell  
 Maximum Charging Current: 3.6A  
 Standby use:  
 Float Charging Voltage 6.75 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)**

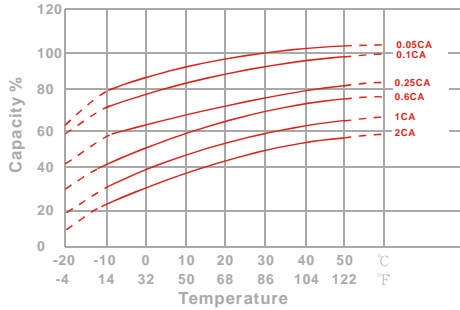
1 month 92%  
 3 month 90%  
 6 month 80%

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

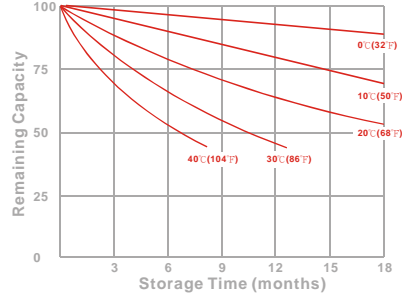
**Terminal** F2(Faston Tab 250)

## CHARACTERISTIC & PERFORMANCE DATA

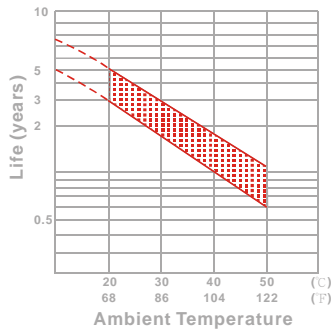
Effect of Temperature on Capacity 25°C(77°F)



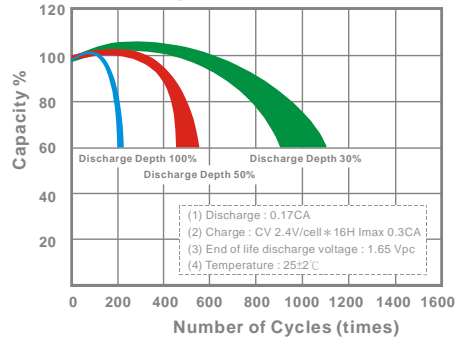
Capacity Retention Characteristic



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
5	min	203	226	243	260	268	276	291
10	min	144	157	165	172	175	179	183
15	min	116	123	128	132	134	136	140
30	min	66.7	70.8	73.9	76.2	77.0	77.8	79.0
60	min	47.4	49.0	50.0	51.0	51.5	51.9	52.5
120	min	25.9	26.8	27.1	27.4	27.6	27.7	28.0
180	min	17.0	17.6	18.2	18.6	18.8	19.1	19.3
240	min	14.3	14.6	14.9	15.2	15.4	15.6	15.8
300	min	11.9	12.2	12.5	12.9	13.0	13.1	13.4
600	min	7.02	7.20	7.32	7.40	7.45	7.50	7.56
1200	min	3.58	3.62	3.74	3.79	3.84	3.88	3.97

### - 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
5	min	37.2	41.4	44.5	47.7	49.1	50.6	53.4
10	min	25.7	28.1	29.4	30.7	31.2	31.9	32.7
15	min	20.3	21.6	22.4	23.2	23.5	23.8	24.5
30	min	11.4	12.1	12.6	13.0	13.1	13.3	13.5
60	min	8.21	8.40	8.52	8.63	8.68	8.74	8.82
120	min	4.21	4.36	4.47	4.56	4.59	4.63	4.68
180	min	2.87	3.06	3.13	3.19	3.22	3.25	3.29
240	min	2.38	2.43	2.47	2.52	2.55	2.58	2.62
300	min	1.97	2.03	2.08	2.14	2.16	2.19	2.23
600	min	1.16	1.18	1.20	1.22	1.23	1.24	1.25
1200	min	0.592	0.599	0.618	0.627	0.634	0.642	0.656

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%)