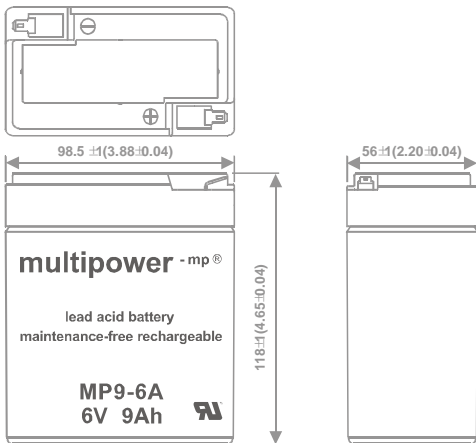
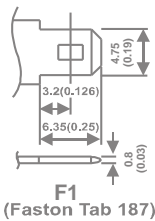


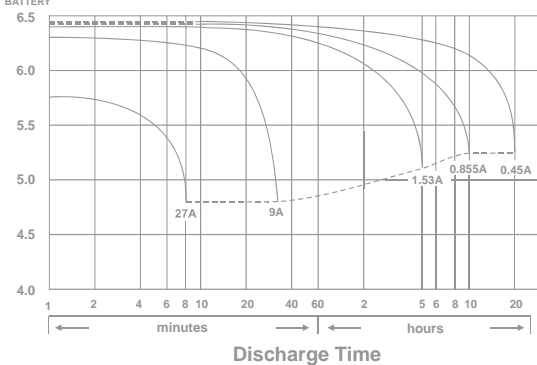
multipower - mp [®]

RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION



(V) FOR 6V BATTERY
Discharge Time VS. Discharge Current (25 °C)



MP9-6A

Nominal Voltage (V) 6V

Nominal Capacity

20 hour rate	(0.45A	to	5.25V)	9.000Ah
10 hour rate	(0.855A	to	5.25V)	8.550Ah
5 hour rate	(1.53A	to	5.1V)	7.650Ah
1 C	(9A	to	4.8V)	5.100Ah
3 C	(27A	to	4.8V)	3.600Ah

Weight Approx. 1.65kg (3.64lbs.)

Internal Resistance (at 1KHz) Approx. 10 mΩ

Maximum Discharge Current for

5 seconds: 135A

Charging Methods at 25°C (77°F)

Cycle use:	
Charging Voltage	7.35 to 7.40V
Coefficient -5.0mv/°C/cell	
Maximum Charging Current:	2.7A
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

(UL94 HB flame retardant case / cover)

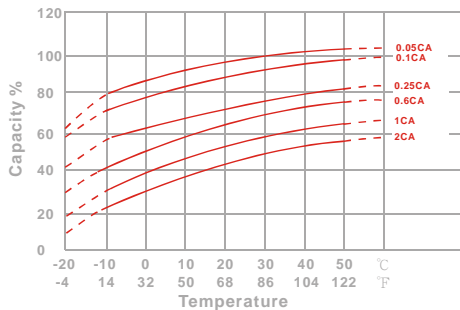
ABS

Terminal

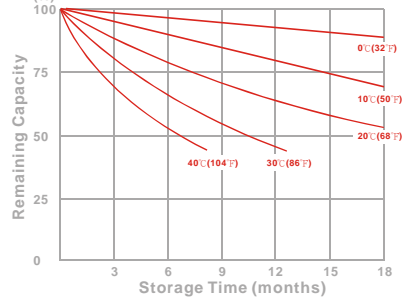
F1 (Faston Tab 187)

CHARACTERISTIC & PERFORMANCE DATA

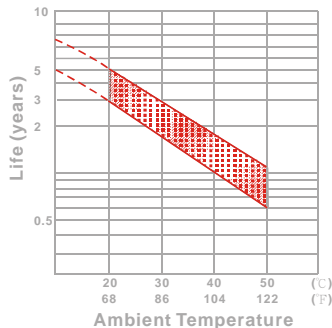
Effect of Temperature on Capacity 25°C (77°F)



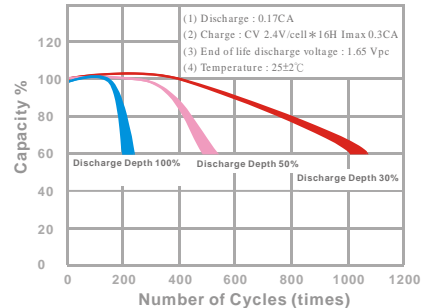
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

Discharge Rates in Watts per Battery 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	144	163	178	191	196	202	212
10	min	102	114	123	130	133	137	142
15	min	86.4	89.6	92.8	96.3	98.2	101	104
30	min	43.3	45.7	47.9	50.1	50.5	50.9	54.2
60	min	28.7	30.4	31.3	32.2	32.6	33.0	33.6
120	min	20.2	21.4	22.0	22.4	22.5	22.6	22.8
180	min	12.9	13.7	14.2	14.6	14.7	15.0	15.3
240	min	10.3	10.7	11.0	11.3	11.5	11.7	11.9
300	min	9.02	9.31	9.51	9.65	9.70	9.80	9.90
600	min	5.07	5.28	5.39	5.50	5.55	5.60	5.67
1200	min	2.62	2.74	2.81	2.86	2.88	2.89	2.91

- Discharge Rates in Amperes per Battery 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	24.7	27.8	30.4	32.7	33.8	35.0	36.9
10	min	18.5	20.6	22.2	23.5	24.0	24.6	25.4
15	min	13.9	14.7	15.9	16.8	17.1	17.5	18.1
30	min	8.21	8.76	9.05	9.29	9.38	9.51	9.69
60	min	4.78	5.14	5.31	5.47	5.54	5.62	5.74
120	min	2.84	3.09	3.17	3.30	3.35	3.41	3.49
180	min	1.96	2.12	2.25	2.36	2.40	2.45	2.52
240	min	1.64	1.73	1.80	1.86	1.88	1.91	1.94
300	min	1.41	1.48	1.53	1.57	1.58	1.60	1.62
600	min	0.872	0.886	0.900	0.911	0.916	0.922	0.929
1200	min	0.435	0.450	0.459	0.464	0.467	0.470	0.474

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%)