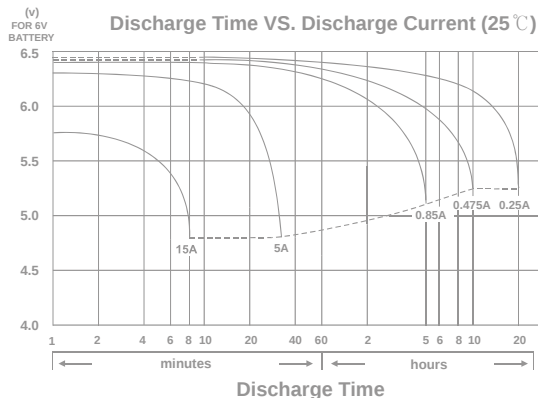
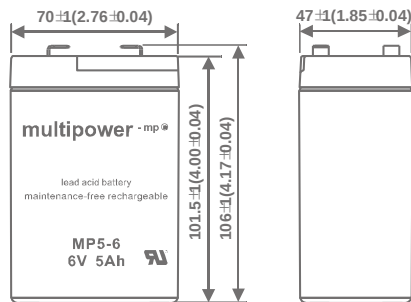
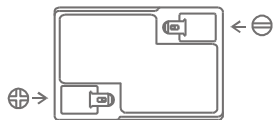
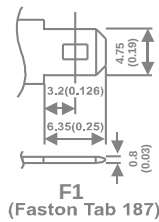


multipower - mp[®]

RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION



MP5-6

Nominal Voltage (V) 6V

Nominal Capacity

20 hour rate	(0.25A	to	5.25V)	5.00Ah
10 hour rate	(0.475A	to	5.25V)	4.75Ah
5 hour rate	(0.85A	to	5.1V)	4.25Ah
1 C	(5A	to	4.8V)	2.83Ah
3 C	(15A	to	4.8V)	2.00Ah

Weight Approx. 820g (1.8lbs)

Internal Resistance (at 1KHz) Approx. 19 mΩ

Maximum Discharge Current for

5 seconds: 75A

Charging Methods at 25°C (77°F)

Cycle use:

Charging Voltage 7.35V to 7.40V

Coefficient -5.0mV/°C/cell

Maximum Charging Current: 1.5A

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)

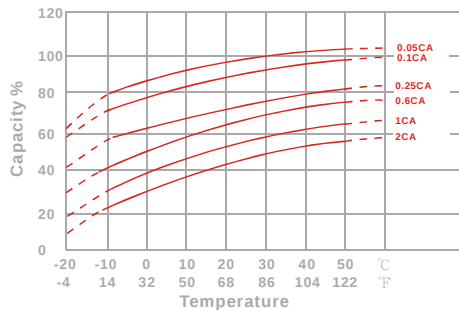
ABS

Terminal

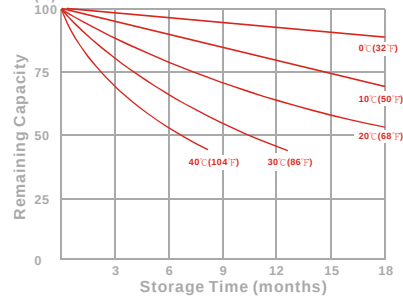
F1 (Faston Tab 187)

CHARACTERISTIC & PERFORMANCE DATA

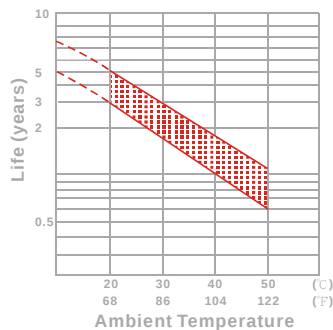
Effect of Temperature on Capacity 25°C (77°F)



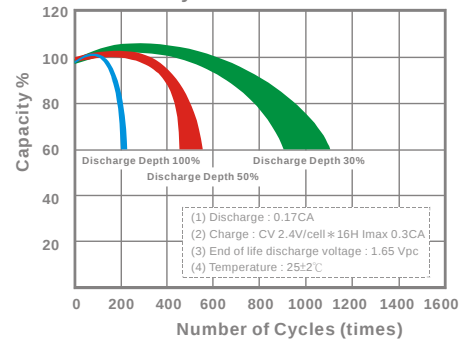
Capacity Retention Characteristic



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	71.5	80.5	87.0	93.0	95.5	98.5	102
10	min	51.0	57.5	61.5	64.5	66.0	67.5	69.0
15	min	42.3	46.7	48.6	49.6	50.0	50.5	51.0
30	min	24.6	27.5	28.6	29.1	29.4	29.8	30.1
60	min	12.6	14.3	15.4	16.3	16.6	17.0	17.2
120	min	7.45	8.30	8.70	9.00	9.15	9.35	9.55
180	min	5.90	6.50	6.80	7.05	7.15	7.30	7.45
240	min	4.80	5.20	5.40	5.55	5.65	5.75	5.85
300	min	4.38	4.68	4.81	4.91	4.96	5.05	5.15
600	min	2.57	2.74	2.82	2.88	2.91	2.94	2.98
1200	min	1.30	1.41	1.50	1.53	1.54	1.56	1.58

- 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	15.3	17.6	18.9	19.5	19.7	19.9	20.2
10	min	10.5	11.7	11.9	12.1	12.2	12.3	12.4
15	min	7.86	8.52	9.01	9.22	9.29	9.37	9.45
30	min	4.39	4.94	5.11	5.25	5.30	5.35	5.41
60	min	2.39	2.64	2.76	2.87	2.9	2.94	2.97
120	min	1.34	1.46	1.52	1.56	1.57	1.59	1.61
180	min	1.10	1.16	1.19	1.21	1.22	1.23	1.24
240	min	0.855	0.911	0.936	0.962	0.968	0.975	0.983
300	min	0.790	0.826	0.839	0.851	0.855	0.860	0.866
600	min	0.437	0.464	0.476	0.485	0.489	0.493	0.498
1200	min	0.229	0.243	0.251	0.257	0.260	0.263	0.267

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%)