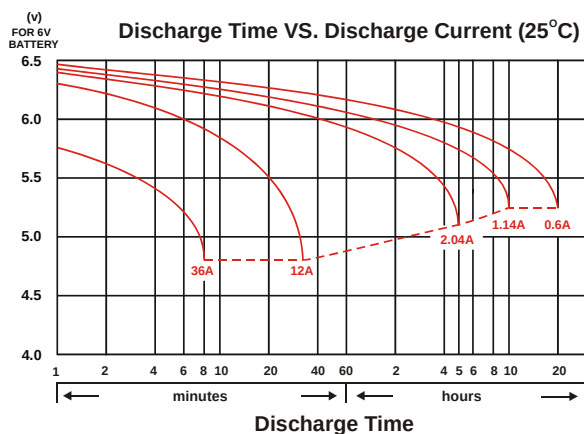
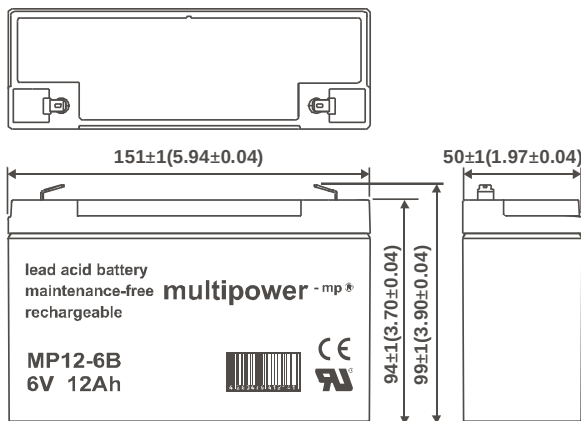
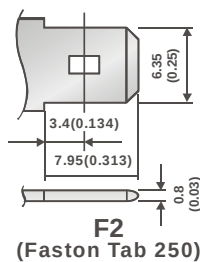


multipower - mp®

RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION



MP12-6B

Nominal Voltage(V) 6V

Nominal Capacity

20 hour rate	(0.6A to 5.25V)	12.0Ah
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. 1.84kg (4.05Lbs.)

Internal Resistance (at 1KHz) Approx. 6 mΩ

Maximum Discharge Current for
5 seconds: 180A

Charging Methods at 25°C (77°F)

Maximum Charging Current:	3.6A
Boost Charging Voltage	7.20 to 7.50V
Boost Charge Time	8-9Hr
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)

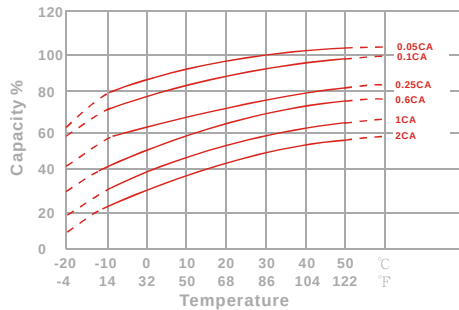
1 month	92%
3 month	90%
6 month	80%

Case Material ABS UL94 HB

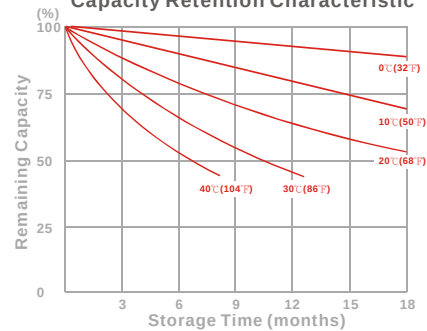
Terminal F2 (Faston Tab 250)

CHARACTERISTIC & PERFORMANCE DATA

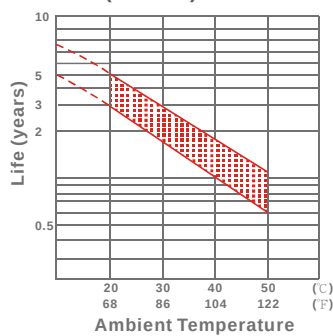
Effect of Temperature on Capacity 25°C (77°F)



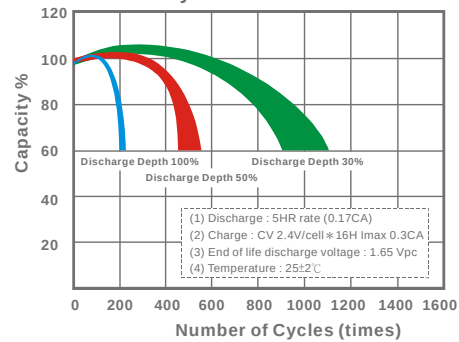
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

Discharge Rates in Watts per Cell 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	72.5	77.9	80.3	81.9	84.0	85.7	87.5
10	min	47.7	52.4	54.0	55.1	56.8	57.5	58.9
15	min	39.5	41.5	42.8	43.7	45.0	45.9	46.2
30	min	22.2	24.0	24.7	25.2	26.5	27.0	27.4
60	min	13.5	14.4	14.8	15.1	15.4	15.7	15.9
120	min	7.85	8.51	8.77	8.95	9.01	9.29	9.40
180	min	5.88	5.95	6.35	6.37	6.40	6.45	6.58
240	min	4.75	4.80	4.85	4.87	4.92	4.94	4.98
300	min	3.92	4.15	4.28	4.32	4.35	4.40	4.44
600	min	2.10	2.21	2.28	2.33	2.39	2.44	2.47
1200	min	1.09	1.20	1.23	1.26	1.31	1.35	1.39

- 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	39.5	41.2	44.3	45.2	46.7	47.1	47.8
10	min	27.1	30.0	31.8	32.4	33.1	33.4	33.7
15	min	20.2	21.0	22.3	22.4	23.2	23.4	23.6
30	min	12.0	12.3	13.0	13.5	13.7	13.8	14.1
60	min	7.32	7.56	8.02	8.18	8.34	8.42	8.45
120	min	3.95	4.15	4.40	4.49	4.58	4.62	4.66
180	min	2.95	3.00	3.11	3.17	3.24	3.26	3.29
240	min	2.30	2.33	2.47	2.52	2.57	2.59	2.62
300	min	1.85	1.95	2.07	2.11	2.15	2.17	2.21
600	min	1.13	1.16	1.20	1.22	1.25	1.26	1.31
1200	min	0.610	0.617	0.630	0.645	0.665	0.670	0.692

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%)