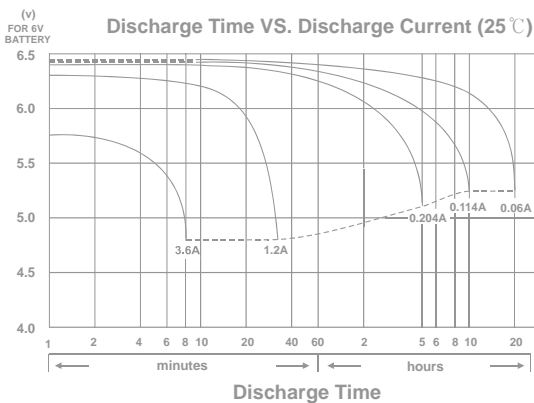
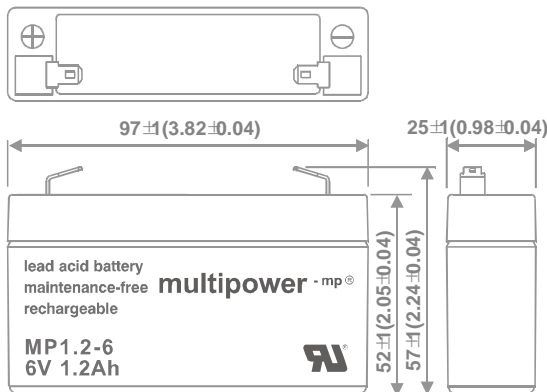
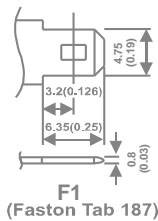
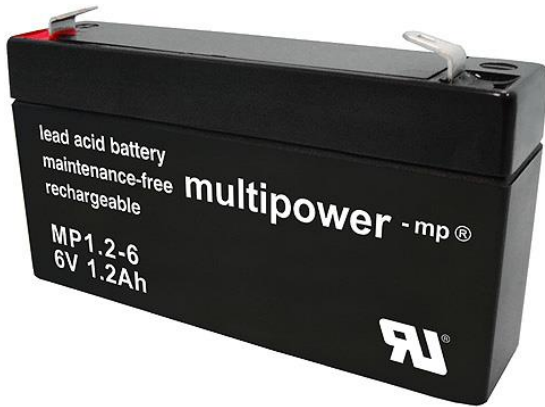


multipower - mp[®]

RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION



MP1,2-6

Nominal Voltage(V) 6V

Nominal Capacity

20 hour rate	(0.06A	to	5.25V)	1.200Ah
10 hour rate	(0.114A	to	5.25V)	1.140Ah
5 hour rate	(0.204A	to	5.1V)	1.020Ah
1 C	(1.2A	to	4.8V)	0.680Ah
3 C	(3.6A	to	4.8V)	0.480Ah

Weight Approx. 297g (0.65lbs.)

Internal Resistance (at 1KHz) Approx. 41 mΩ

Maximum Discharge Current for

5 seconds: 18A

Charging Methods at 25°C(77°F)

Cycle use:	
Charging Voltage	7.35V to 7.40V
Coefficient -5.0mV/°C/cell	
Maximum Charging Current:	0.36A
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)

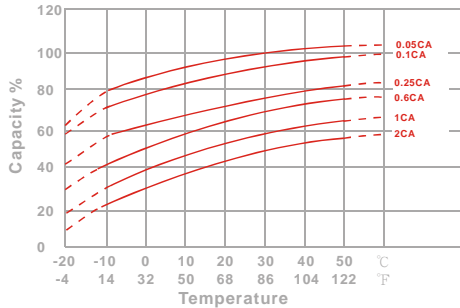
ABS

Terminal

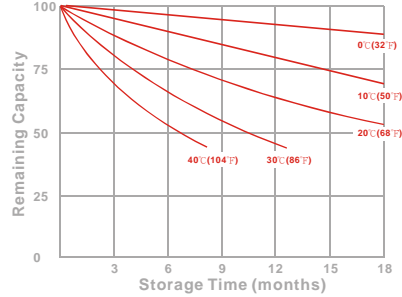
F1 (Faston Tab 187)

CHARACTERISTIC & PERFORMANCE DATA

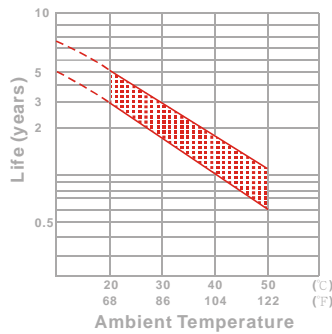
Effect of Temperature on Capacity 25°C (77°F)



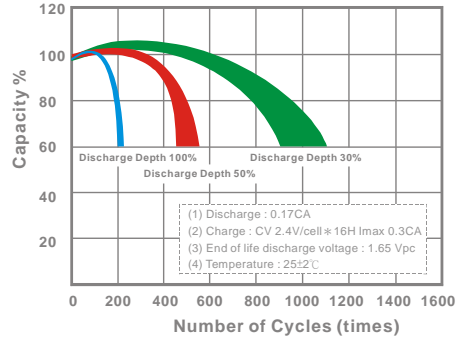
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

Discharge Rates in Watts 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	21.6	23.5	24.8	26.0	26.4	27.0	27.9
10	min	13.9	15.0	15.9	16.6	16.8	17.0	17.3
15	min	11.0	11.6	12.2	12.6	12.8	13.0	13.2
30	min	6.45	6.75	6.95	7.10	7.15	7.25	7.35
60	min	3.96	4.18	4.30	4.40	4.44	4.49	4.55
120	min	2.24	2.43	2.54	2.63	2.66	2.70	2.75
180	min	1.60	1.72	1.81	1.87	1.90	1.94	1.97
240	min	1.31	1.41	1.49	1.54	1.56	1.59	1.61
300	min	1.26	1.33	1.37	1.41	1.42	1.43	1.45
600	min	0.660	0.700	0.730	0.750	0.755	0.765	0.775
1200	min	0.369	0.379	0.386	0.390	0.392	0.394	0.396

- 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	3.49	4.11	4.57	4.94	5.09	5.26	5.51
10	min	2.12	2.43	2.63	2.81	2.88	2.96	3.11
15	min	1.71	1.95	2.09	2.20	2.24	2.29	2.35
30	min	0.931	1.06	1.17	1.24	1.26	1.29	1.32
60	min	0.680	0.716	0.735	0.759	0.765	0.772	0.779
120	min	0.392	0.415	0.429	0.440	0.444	0.449	0.456
180	min	0.272	0.291	0.302	0.311	0.314	0.318	0.324
240	min	0.223	0.238	0.247	0.254	0.257	0.260	0.264
300	min	0.207	0.219	0.226	0.231	0.233	0.236	0.238
600	min	0.112	0.117	0.121	0.124	0.125	0.126	0.127
1200	min	0.0615	0.0624	0.0631	0.0637	0.0639	0.0642	0.0646

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%)