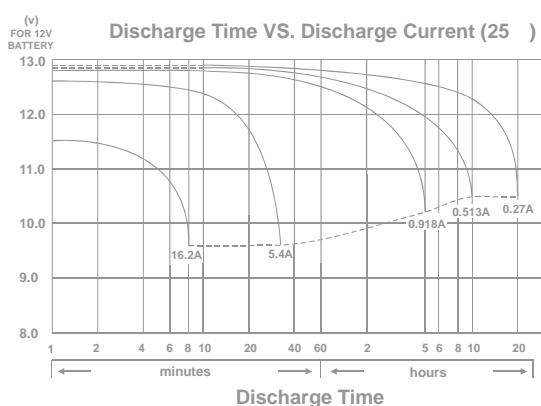
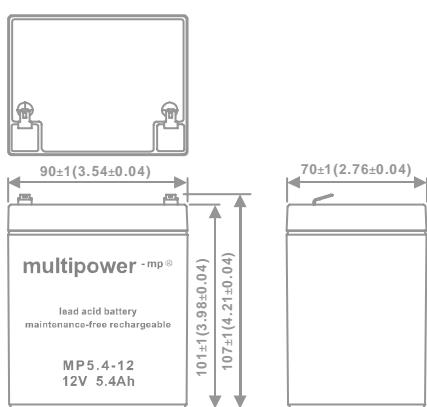
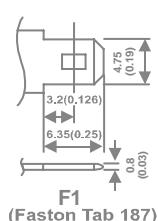


RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION



MP5.4-12

Nominal Voltage(V) 12V

Nominal Capacity

20 hour rate	(0.27A	to	10.50V)	5.4Ah
10 hour rate	(0.513A	to	10.50V)	5.13Ah
5 hour rate	(0.918A	to	10.20V)	4.59Ah
1 C	(5.4A	to	9.60V)	3.06Ah
3 C	(16.2A	to	9.60V)	2.16Ah

Weight Approx. 1.9kg(4.18Lbs.)

Internal Resistance (at 1KHz) Approx. 19 mΩ

Maximum Discharge Current for

5 seconds: 81A

Charging Methods at 25 °C (77 °F)

Cycle use:

Charging Voltage 14.4 to 15.0V

Coefficient -5.0mV/ °C /cell

Maximum Charging Current : 1.62A

Standby use:

Float Charging Voltage 13.50 to 13.80V

Coefficient -3.0mV/ °C /cell

Operating Temperature Range

Charge -15 (5 °C) to 40 (104 °F)

Discharge -15 (5 °C) to 50 (122 °F)

Storage -15 (5 °C) to 40 (104 °F)

Charge Retention (shelf life) at 20 °C (68 °F)

1 month 92%

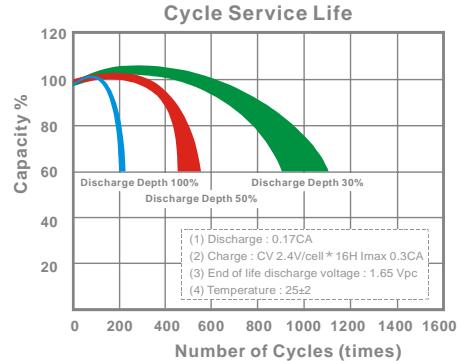
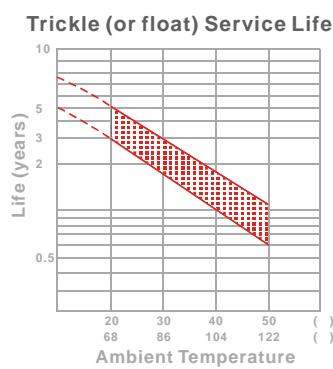
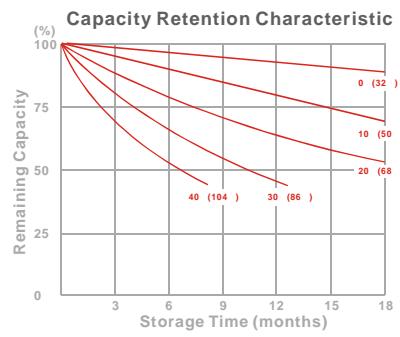
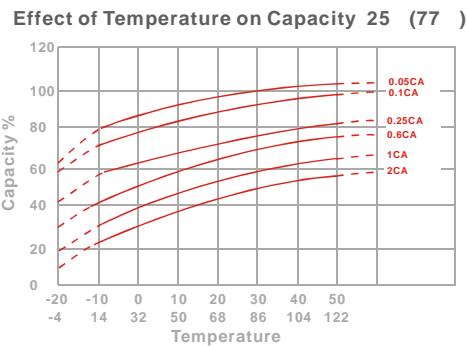
3 month 90%

6 month 80%

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

Terminal F1(Faston Tab 187)

CHARACTERISTIC & PERFORMANCE DATA



- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25 (77)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V			
		5	10	15	30	60	120	180	240	300	600
min	218	237	249	261	266	273	282				
10	157	169	178	184	187	191	197				
15	122	131	135	139	141	143	146				
30	66.9	70.3	72.7	75.1	75.9	76.8	77.5				
60	35.7	37.6	38.8	40.2	40.9	41.6	42.4				
120	18.8	20.3	21.2	21.9	22.3	22.8	23.5				
180	15.2	16.3	17.1	17.8	18.1	18.4	18.9				
240	12.1	12.9	13.6	14.0	14.2	14.4	14.7				
300	10.4	11.2	11.7	11.9	12.0	12.1	12.3				
600	6.05	6.53	6.89	7.02	7.08	7.14	7.23				
1200	3.18	3.43	3.62	3.69	3.72	3.75	3.80				

- Discharge Rates in Amperes to Various End Voltages at 25 (77)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V			
		5	10	15	30	60	120	180	240	300	600
min	17.8	21.7	23.9	25.8	26.4	27.0	27.8				
10	13.2	14.8	15.7	16.2	16.6	16.9	17.3				
15	9.92	10.5	10.9	11.1	11.2	11.3	11.5				
30	5.84	6.15	6.26	6.38	6.42	6.47	6.55				
60	3.04	3.20	3.38	3.46	3.49	3.53	3.59				
120	1.58	1.70	1.79	1.87	1.91	1.94	1.99				
180	1.27	1.35	1.41	1.47	1.49	1.52	1.55				
240	1.00	1.07	1.11	1.15	1.16	1.18	1.21				
300	0.851	0.898	0.919	0.942	0.953	0.962	0.978				
600	0.497	0.506	0.514	0.521	0.524	0.529	0.535				
1200	0.268	0.274	0.279	0.284	0.286	0.287	0.291				

All data on the spec. sheet is an average value:

The tolerance range : X<6min(+15%~-15%), 6min X<10min(+12%~-12%), 10min X < 60min(+8%~-8%), X > 60min(+5%~-5%)