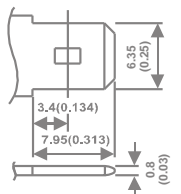
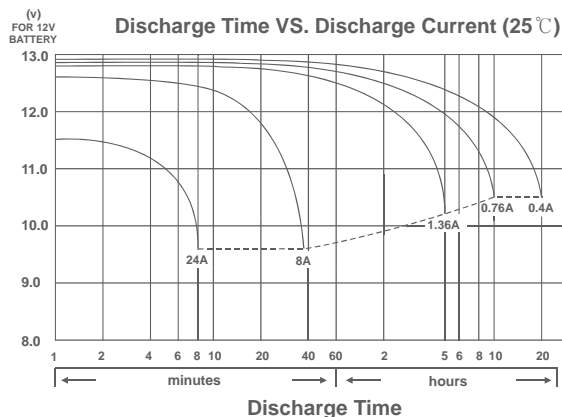
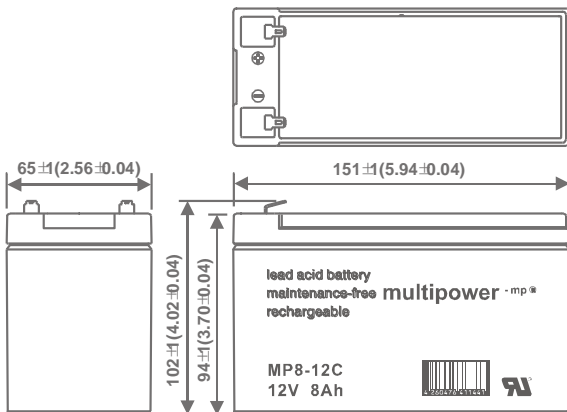


RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION



F2
(Faston Tab 250)



MP8-12C

Nominal Voltage(V) 12V

Nominal Power

15 mins rate: 36W/cell to 1.60V/cell

Nominal Capacity

20 hour rate	(0.4A	to	10.50V)	8.000Ah
10 hour rate	(0.76A	to	10.50V)	7.600Ah
5 hour rate	(1.36A	to	10.20V)	6.800Ah
1 C	(8A	to	9.60V)	5.070Ah
3 C	(24A	to	9.60V)	3.200Ah

Weight Approx. 2.7kg (5.94lbs.)

Internal Resistance (at 1KHz) Approx. 14 mΩ

Maximum Discharge Current for

5 seconds: 120A

Charging Methods at 25°C (77°F)

Cycle use:

Charging Voltage 14.7 to 14.8V

Coefficient -5.0mV/°C/cell

Maximum Charging Current: 2.4A

Standby use:

Float Charging Voltage 13.5 to 13.8V

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%

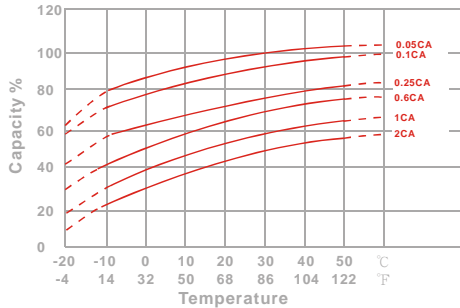
6 month 80%

Case Material ABS UL94 HB

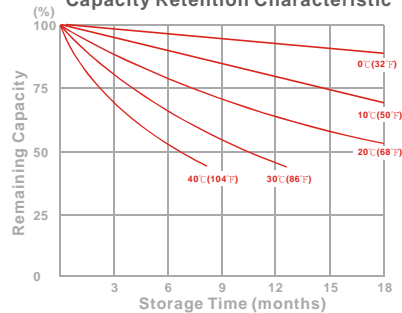
Terminal F2 (Faston Tab 250)

CHARACTERISTIC & PERFORMANCE DATA

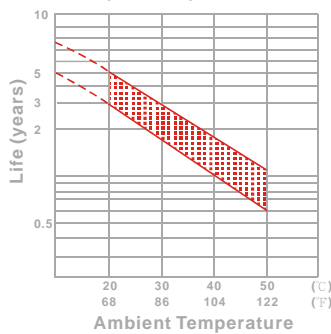
Effect of Temperature on Capacity 25°C (77°F)



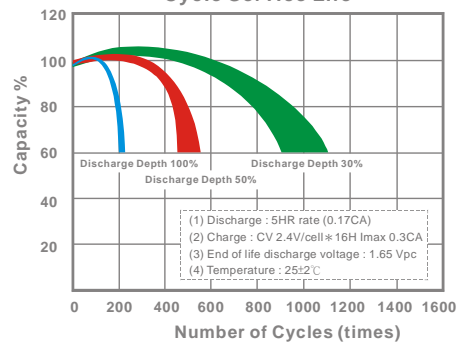
Capacity Retention Characteristic



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	57.1	60.2	64.7	67.8	69.8	71.2	74.7
10	min	36.5	39.1	42.0	44.0	45.2	46.1	48.3
15	min	30.1	31.2	32.3	33.4	34.0	34.7	35.9
30	min	15.8	16.2	17.0	17.7	17.8	18.0	19.1
60	min	9.97	10.4	10.7	11.0	11.1	11.3	11.5
120	min	5.40	5.56	5.69	5.82	5.87	5.90	5.95
180	min	4.20	4.35	4.49	4.62	4.67	4.75	4.85
240	min	3.40	3.53	3.63	3.73	3.78	3.85	3.92
300	min	2.89	2.99	3.05	3.10	3.12	3.15	3.18
600	min	1.62	1.68	1.71	1.75	1.77	1.78	1.80
1200	min	0.853	0.882	0.902	0.907	0.910	0.913	0.918

- 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	30.4	32.6	35.0	36.7	37.4	38.5	40.3
10	min	19.1	20.4	21.9	22.9	23.4	24.1	25.2
15	min	14.3	14.9	15.8	16.5	16.8	17.3	18.0
30	min	8.09	8.45	8.93	9.35	9.54	9.77	10.2
60	min	5.17	5.29	5.37	5.45	5.48	5.52	5.57
120	min	2.63	2.72	2.78	2.84	2.86	2.89	2.93
180	min	2.12	2.18	2.23	2.27	2.29	2.31	2.34
240	min	1.69	1.74	1.77	1.80	1.81	1.82	1.83
300	min	1.46	1.51	1.53	1.55	1.56	1.57	1.58
600	min	0.814	0.828	0.842	0.853	0.858	0.864	0.871
1200	min	0.427	0.442	0.451	0.456	0.459	0.462	0.466

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%)