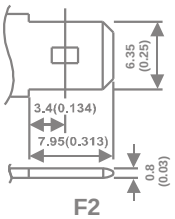
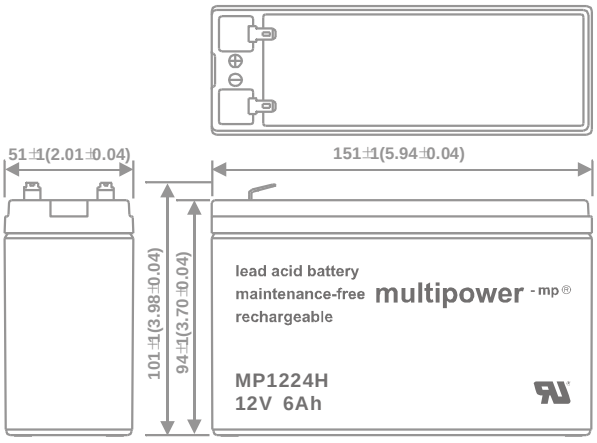
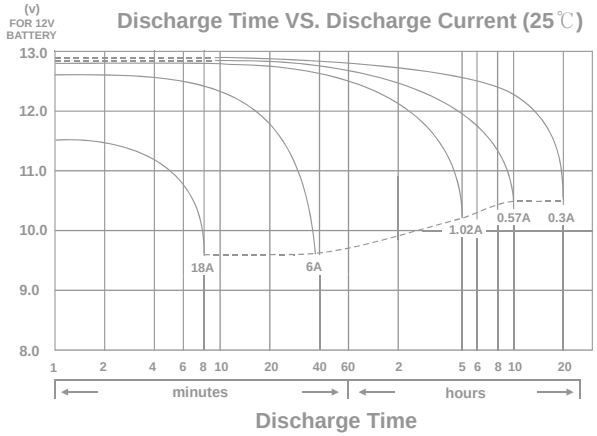
RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION



F2
(Faston Tab 250)





MP1224H

Nominal Voltage (V) 12V

Nominal Power

15 mins rate: 24W/cell to 1.60V/cell

Nominal Capacity

20 hour rate	(0.3A	to	10.50V)	6.00Ah
10 hour rate	(0.57A	to	10.50V)	5.70Ah
5 hour rate	(1.02A	to	10.20V)	5.10Ah
1 C	(6A	to	9.60V)	3.80Ah
3 C	(18A	to	9.60V)	2.40Ah

Weight Approx. 1.95kg (4.29lbs)

Internal Resistance (at 1KHz) Approx. 16 mΩ

Maximum Discharge Current for

5 seconds: 90A

Charging Methods at 25℃ (77℉)

Cycle use:

Charging Voltage 14.70V to 14.80V

Coefficient -5.0mv/℃/cell

Maximum Charging Current: 1.8A

Standby use:

Float Charging Voltage 13.50V to 13.80V

Coefficient -3.0mv/℃/cell

Operating Temperature Range

Charge	-15℃ (5℉)	to	40℃ (104℉)
Discharge	-15℃ (5℉)	to	50℃ (122℉)
Storage	-15℃ (5℉)	to	40℃ (104℉)

Charge Retention (shelf life) at 20℃ (68℉)

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

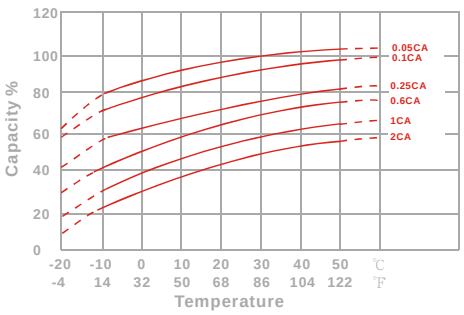
Case Material ABS

(UL94 HB flame retardant case / cover)

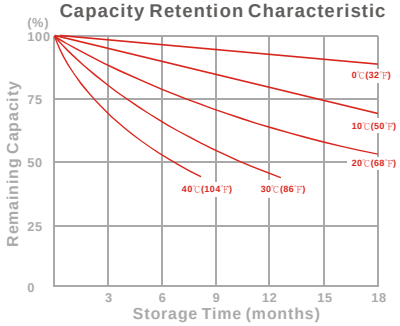
Terminal F2 (Faston Tab 250)

CHARACTERISTIC & PERFORMANCE DATA

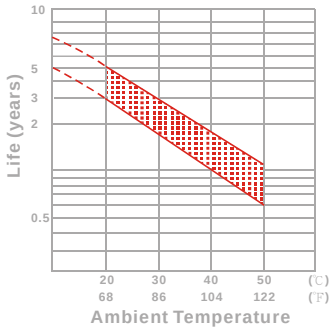
Effect of Temperature on Capacity 25℃(77℉)



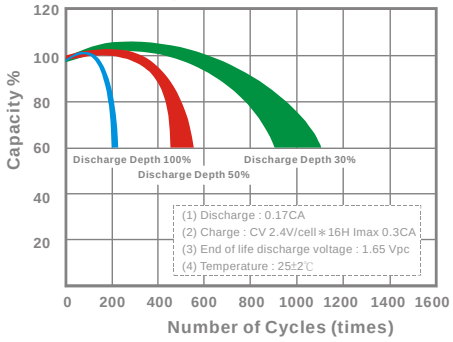
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- 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	min	227	262	284	302	308	315	324
8	min	168	195	214	228	234	239	246
10	min	154	175	188	198	203	206	212
15	min	122	134	143	150	152	155	158
20	min	97.5	106	114	120	121	123	125
30	min	79.8	85.5	88.6	91.4	92.6	93.8	95.6
60	min	43.2	46.4	48.2	49.8	50.3	50.9	51.8
120	min	26.4	27.9	29.2	30.1	30.4	30.8	31.3
300	min	12.1	12.8	13.3	13.7	13.8	14.0	14.2
600	min	7.58	7.72	7.81	7.88	7.90	7.93	7.97
1200	min	4.13	4.20	4.25	4.30	4.32	4.34	4.36

- 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	min	19.1	22.6	24.9	27.0	27.7	28.6	29.8
8	min	17.0	18.8	19.9	20.8	21.1	21.5	22.1
10	min	14.2	15.7	16.8	17.7	18.0	18.4	19.0
15	min	11.3	12.2	12.9	13.4	13.6	13.7	13.9
20	min	9.71	10.2	10.3	10.7	10.9	11.0	11.2
30	min	6.78	7.19	7.46	7.69	7.78	7.90	8.07
60	min	3.63	3.85	4.00	4.13	4.19	4.24	4.32
120	min	1.88	2.01	2.12	2.21	2.25	2.29	2.34
300	min	0.961	1.032	1.071	1.097	1.108	1.12	1.13
600	min	0.593	0.612	0.619	0.626	0.628	0.631	0.636
1200	min	0.319	0.327	0.332	0.337	0.339	0.341	0.343

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%)