

MP34-12C

Nominal Voltage(V) 12V

Nominal Capacity

20 hour rate	(1.7A to 10.50V)	34Ah
10 hour rate	(3.23A to 10.50V)	32.3Ah
5 hour rate	(5.78A to 10.20V)	28.9Ah
1 C	(34A to 9.60V)	19.27Ah
3 C	(102A to 9.60V)	13.6Ah

Weight Approx. 10.5kg(23.1Lbs.)

Internal Resistance (at 1KHz) Approx. 9 mΩ

Maximum Discharge Current for 5 seconds: 510A

Charging Methods at 25° (77° C)

Cycle use:	
Charging Voltage	14.4 to 15.0V
Coefficient	-5.0mV/°C /cell
Maximum Charging Current:	10.2A
Standby use:	
Float Charging Voltage	13.50 to 13.80V
Coefficient	-3.0mV/°C /cell

Operating Temperature Range

Charge	-15° (5° F) to 40° (104° F)
Discharge	-15° (5° F) to 50° (122° F)
Storage	-15° (5° F) to 40° (104° F)

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

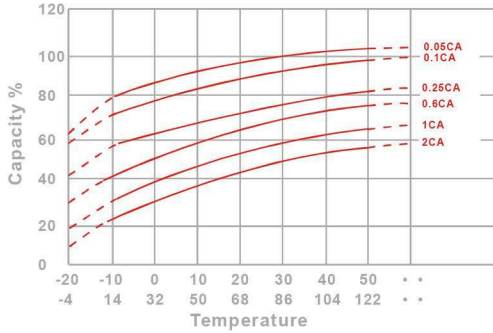
1 month	92%
3 month	90%
6 month	80%

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

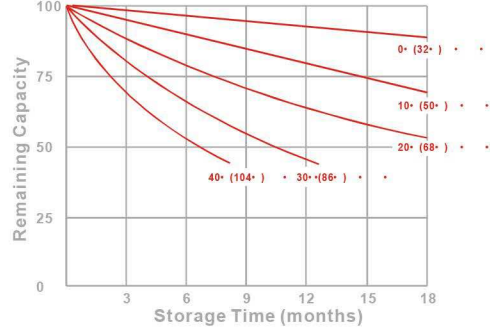
Terminal F4

CHARACTERISTIC & PERFORMANCE DATA

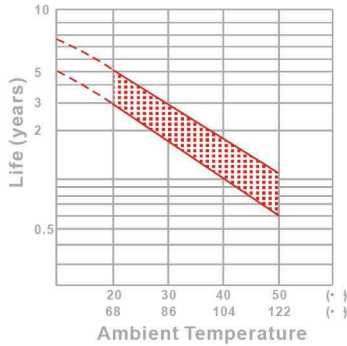
Effect of Temperature on Capacity 25• (77•)



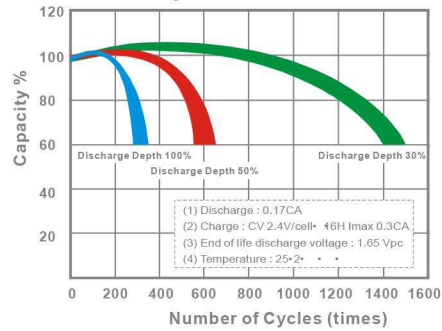
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	725	972	1159	1276	1317	1359	1413
10	min	511	669	788	862	888	915	950
15	min	413	535	625	682	699	720	746
30	min	225	291	340	371	380	392	406
60	min	213	226	235	240	242	245	247
120	min	136	143	147	150	151	153	154
180	min	92.1	97.8	102	104	105	106	107
240	min	74.0	78.6	81.6	83.4	84.3	85.1	85.8
300	min	63.1	67.1	69.6	71.2	71.8	72.6	73.2
600	min	37.3	39.7	41.2	42.1	42.5	42.9	43.3
1200	min	19.6	20.8	21.6	22.1	22.3	22.5	22.7

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	86.9	107	121	129	132	136	140
10	min	60.3	70.0	76.0	80.2	82.0	84.5	87.5
15	min	50.2	57.4	62.1	64.8	65.6	66.4	67.8
30	min	29.0	32.8	34.4	35.7	36.1	36.6	37.1
60	min	17.3	18.6	19.5	20.2	20.4	20.7	21.0
120	min	10.6	11.4	11.9	12.3	12.4	12.6	12.8
180	min	7.86	8.37	8.73	8.99	9.06	9.14	9.27
240	min	5.91	6.35	6.73	6.92	6.97	7.04	7.15
300	min	5.31	5.59	5.75	5.88	5.93	5.99	6.07
600	min	3.10	3.22	3.32	3.41	3.44	3.47	3.51
1200	min	1.58	1.67	1.73	1.77	1.78	1.80	1.82

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%)