

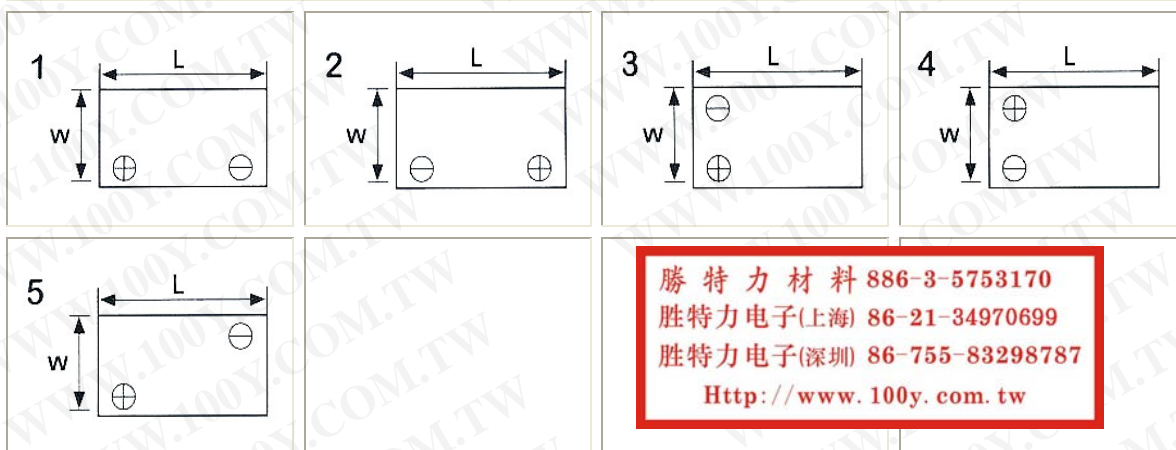
YUASA 工業用電池-REC 型循環應用

以最新技術所開發之高性能密閉閥調式免維護鉛酸電池(VRLA)；具有壽命長、不漏液、體積小、免維護不需定期均充之特性，適合於電動代步車、電動機車與腳踏車等傳動系統使用。

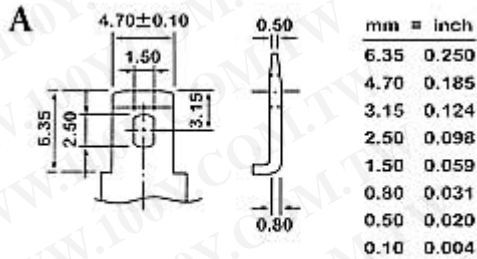
+ 電池規格

機種	電壓(V)	容量(AH)			10 分率	15 分率	外形尺寸 (mm)			重量約 (kg)	端子位置	難燃等級	期待壽命	
		5HR	10HR	20HR			長	寬	總高					
<u>REC10-12</u>	12	-	-	10.0	-	-	151	65	115.5	3.2	B	4	UL94HB	-
<u>REC12-12</u>	12	-	-	12.0	-	-	151	98	97.5	4.2	B	4	UL94HB	-
<u>REC14-12</u>	12	-	-	13.0	-	-	151	98	97.5	4.2	B	4	UL94HB	-
<u>REC22-12</u>	12	-	-	22.0	-	-	181	76.2	167	6.2	C	2	UL94HB	-
<u>REC50-12</u>	12	-	-	45.0	-	-	197	165	175.0	15.7	G	2	UL94HB	-
<u>REC80-12</u>	12	-	-	80.0	-	-	259	168	212.5	27.0	G	1	UL94HB	-
<u>U1-36E-12</u>	12	-	-	36.0	-	-	196	130	169	11.2	Q	1	UL94HB	-

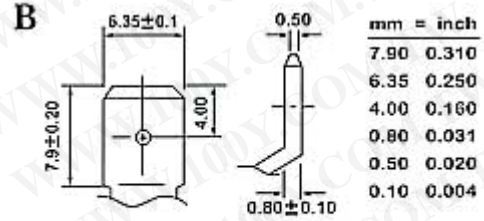
電池端子位置圖 / Assembly Fig



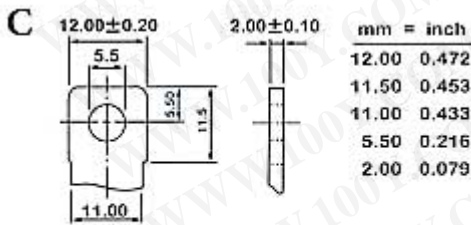
電池端子形狀圖 / TERMINAL(mm)



Fasten tab: 187

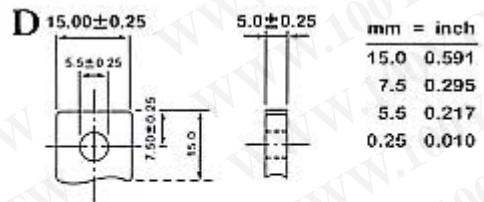


Fasten tab: 250



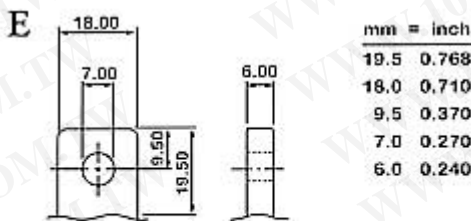
Bolt Type: M5
Tightening Torque: 1.96-2.94(Nm)(20-30kgf.cm)

Bolt fastened terminal



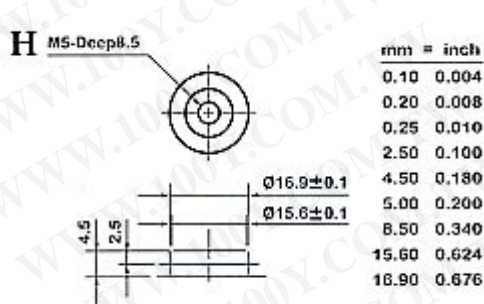
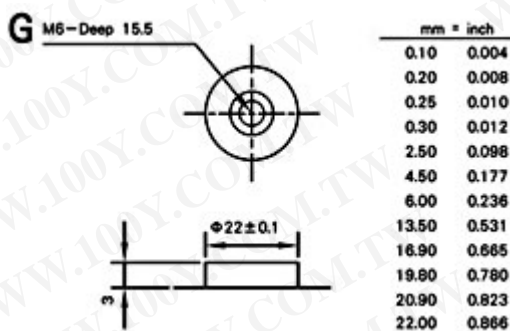
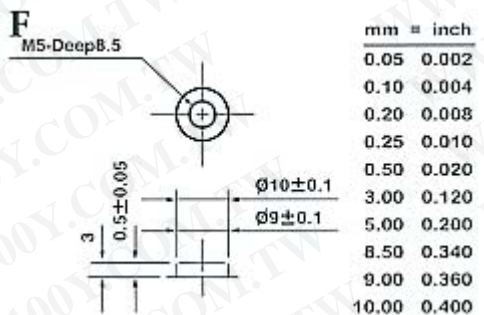
Bolt Type: M5
Tightening Torque: 1.96-2.94(Nm)(20-30kgf.cm)

Bolt fastened terminal

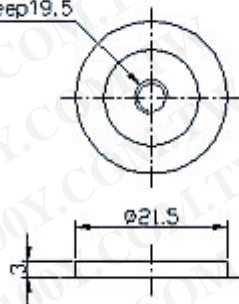


Bolt Type: M6
Tightening Torque: 3.92-5.61(Nm)(40-55kgf.cm)

Bolt fastened terminal

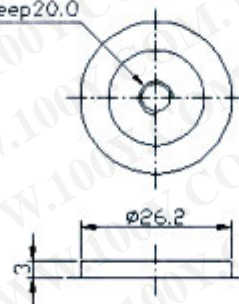


I M5-deep19.5



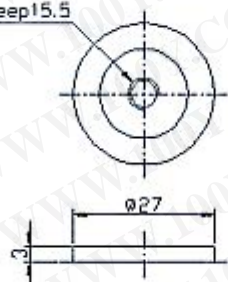
mm=inch	
0.10	0.004
0.20	0.008
0.25	0.010
3.00	0.120
5.00	0.200
19.50	0.780
21.50	0.860

J M5-deep20.0



mm=inch	
0.10	0.004
0.20	0.008
0.25	0.010
3.00	0.120
5.00	0.200
20.00	0.800
26.20	1.048

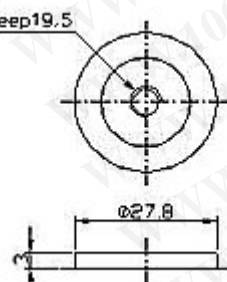
K M5-deep15.5



mm=inch	
0.10	0.004
0.20	0.008
0.25	0.010
3.00	0.120
5.00	0.200
15.50	0.620
27.00	1.080

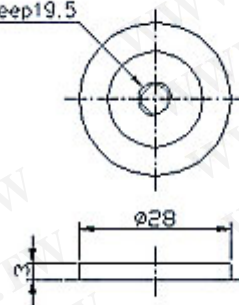
L

M6-deep19.5



mm=inch	
0.10	0.004
0.20	0.008
0.25	0.010
3.00	0.120
6.00	0.240
19.50	0.780
27.80	1.112

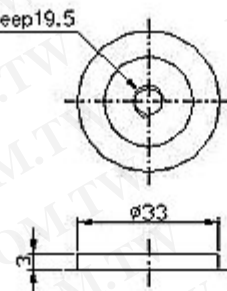
M M6-deep19.5



mm=inch	
0.10	0.004
0.20	0.008
0.25	0.010
3.00	0.120
6.00	0.240
19.50	0.780
28.00	1.120

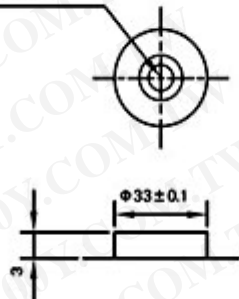
N

M8-deep19.5



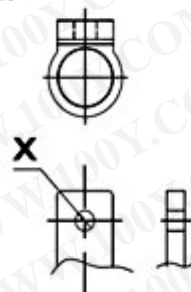
mm=inch	
0.10	0.004
0.20	0.008
0.25	0.010
3.00	0.120
8.00	0.320
19.50	0.780
33.00	1.320

O M8-Deep 22



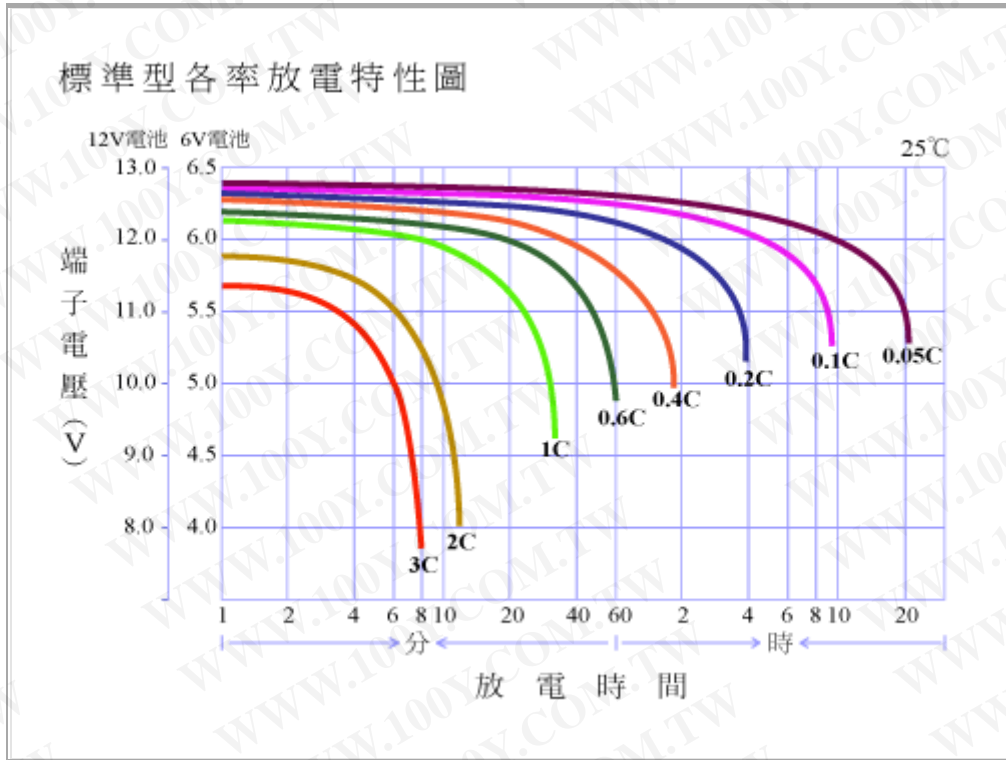
mm = inch	
0.10	0.004
0.20	0.008
0.25	0.010
3.00	0.118
8.00	0.315
19.50	0.768
26.00	1.024
33.00	1.299

P ㄟ型端子



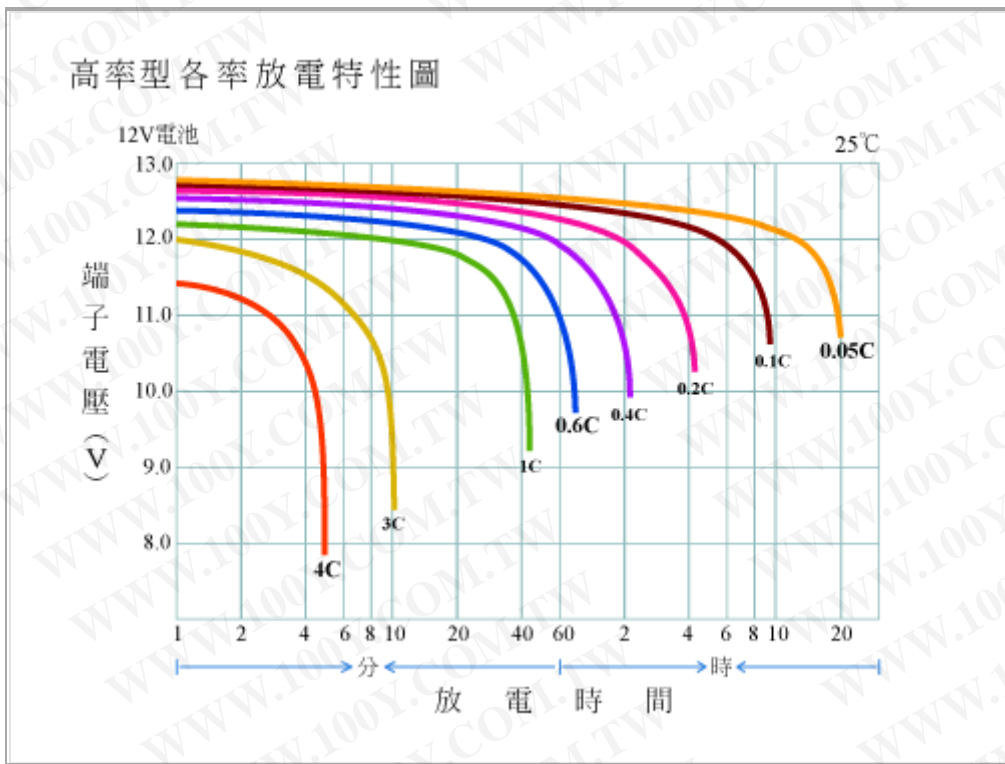
Terminal	X	
	mm = inch	
1	9	0.355
2	12	0.453
3	18	0.709

標準型各率放電特性圖

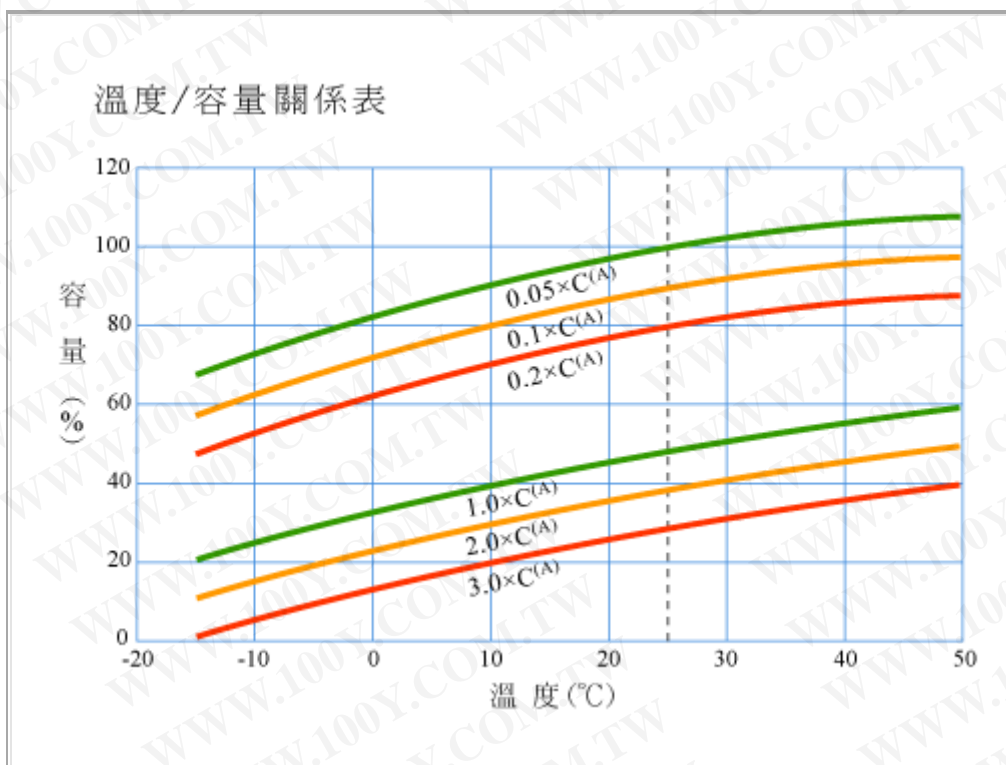


高率型各率放電特性圖

高率型各率放電特性圖

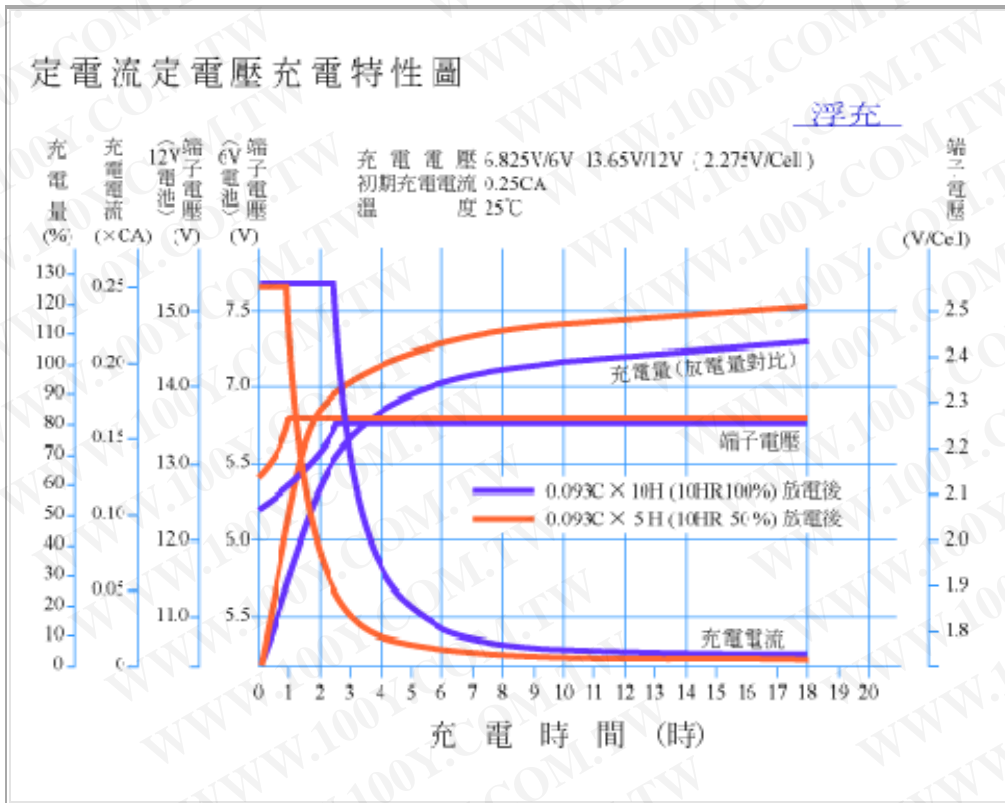


溫度 / 容量關係表



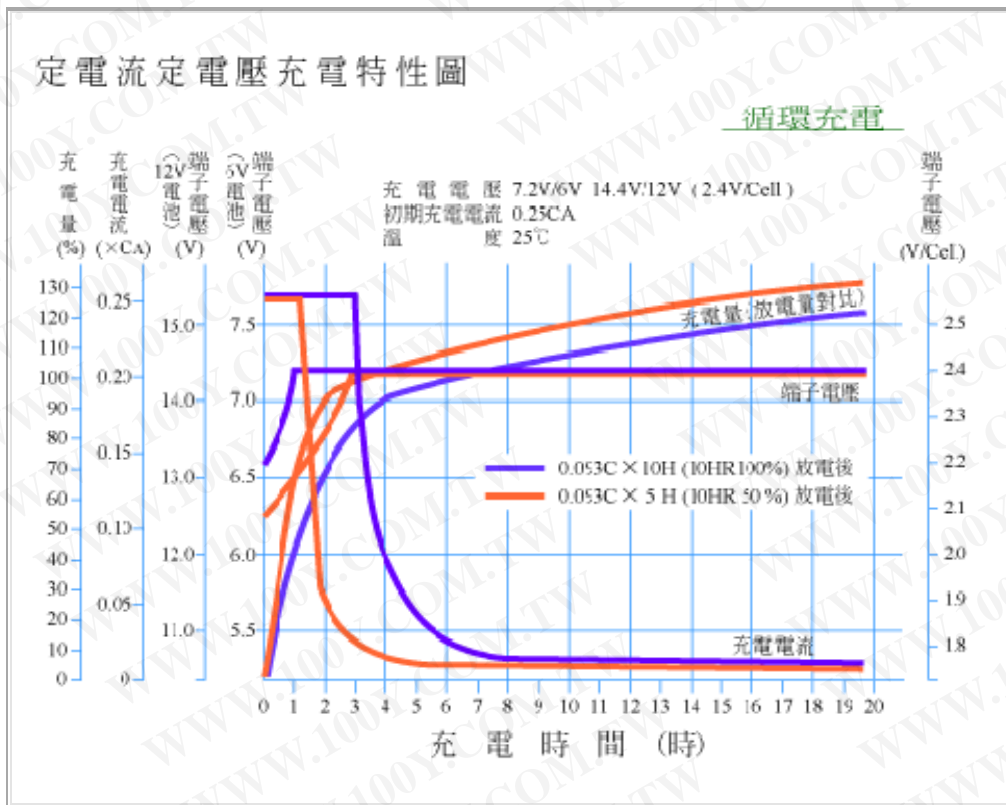
定電流定電壓充電特性圖

定電流定電壓充電特性圖



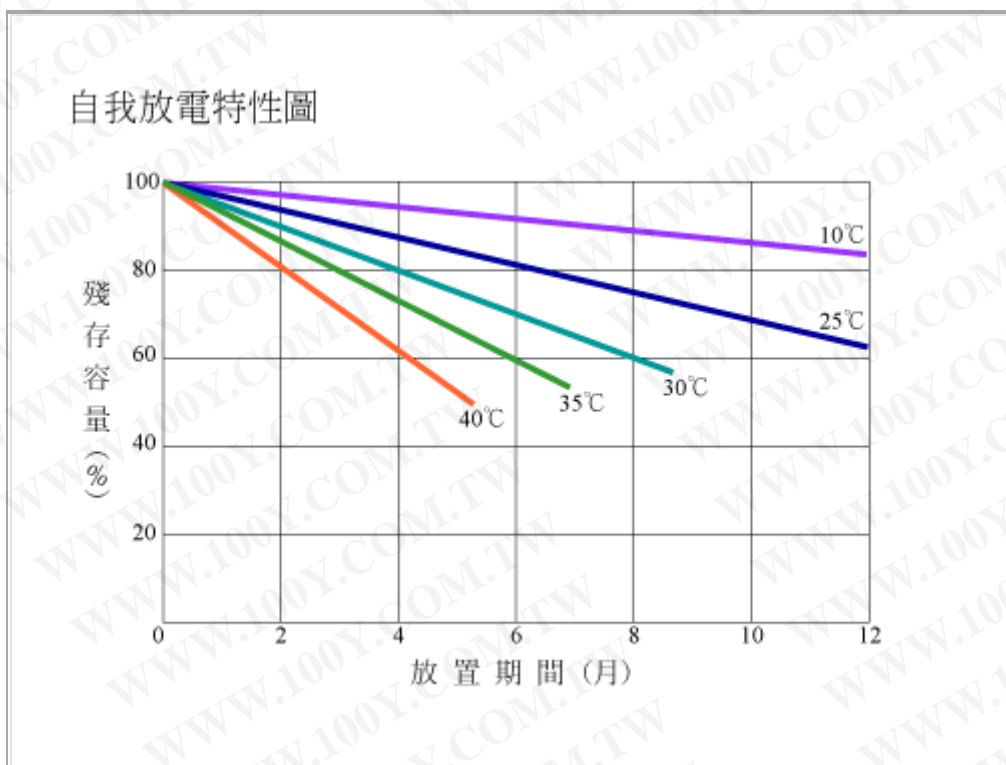
定電流定電壓充電特性圖

定電流定電壓充電特性圖



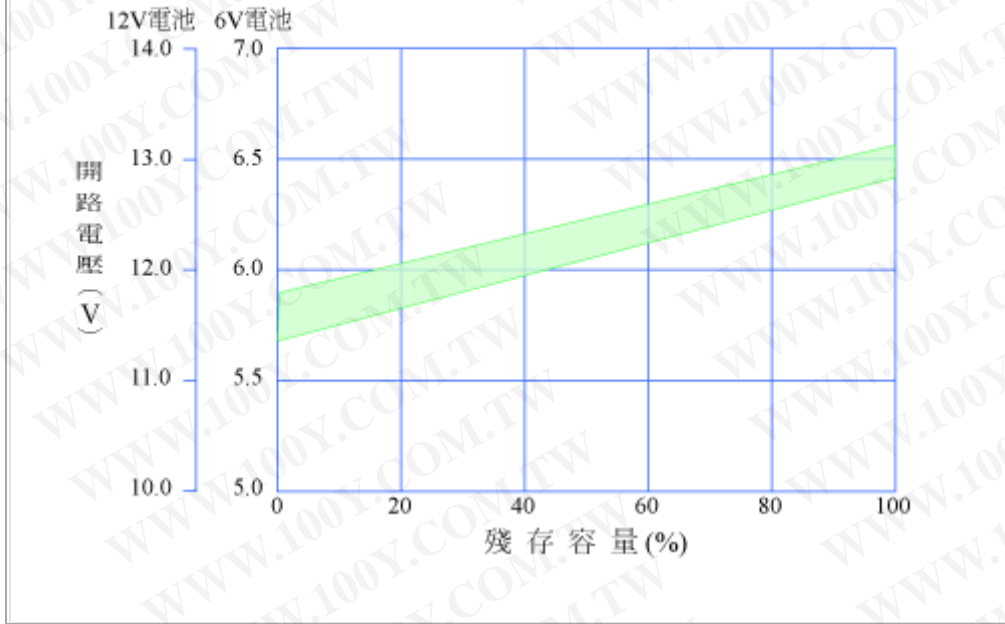
自我放電特性圖





開路電壓 / 殘存容量 關係表

開路電壓 VS 殘存容量 關係表

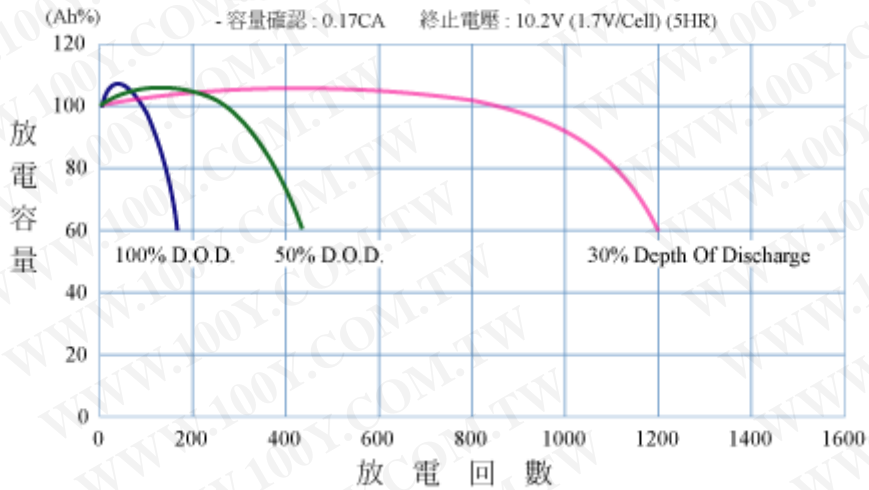


循環壽命特性圖

放電深度與循環壽命關係圖

試驗條件：

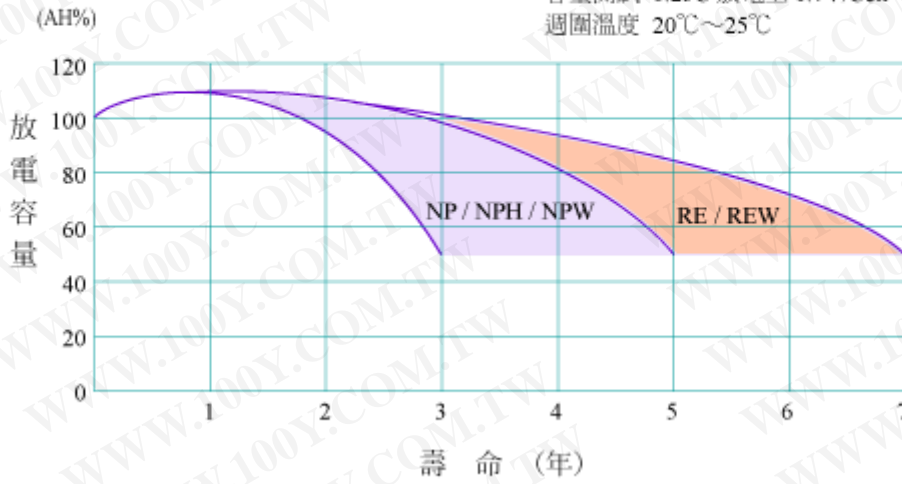
- 放電：定電流 0.17CA (5HR)
- 充電：定電壓 14.7V (2.45V/Cell) 最大電流 0.25CA
- 放電容量比 110~120%
- 溫度：25 ± 5°C
- 容量確認：0.17CA 終止電壓：10.2V (1.7V/Cell) (5HR)



浮充壽命特性圖

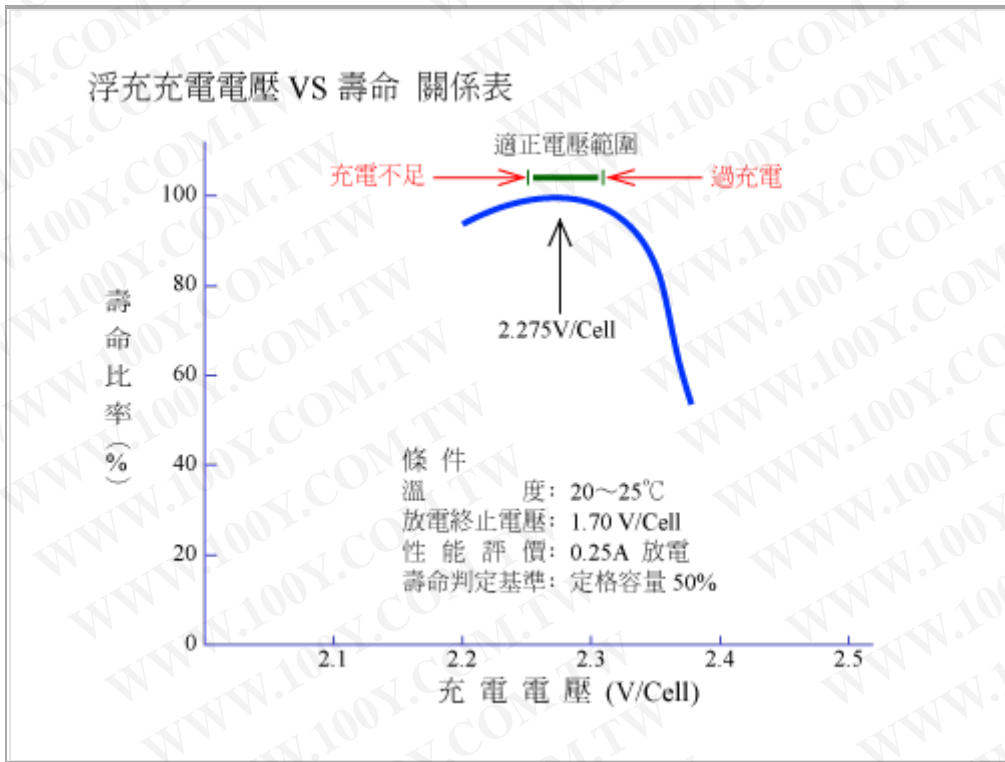
浮充壽命特性圖

實驗條件：浮充電壓 2.275V/Cell
容量測試 0.25C 放電至 1.7V/Cell
週圍溫度 20°C~25°C



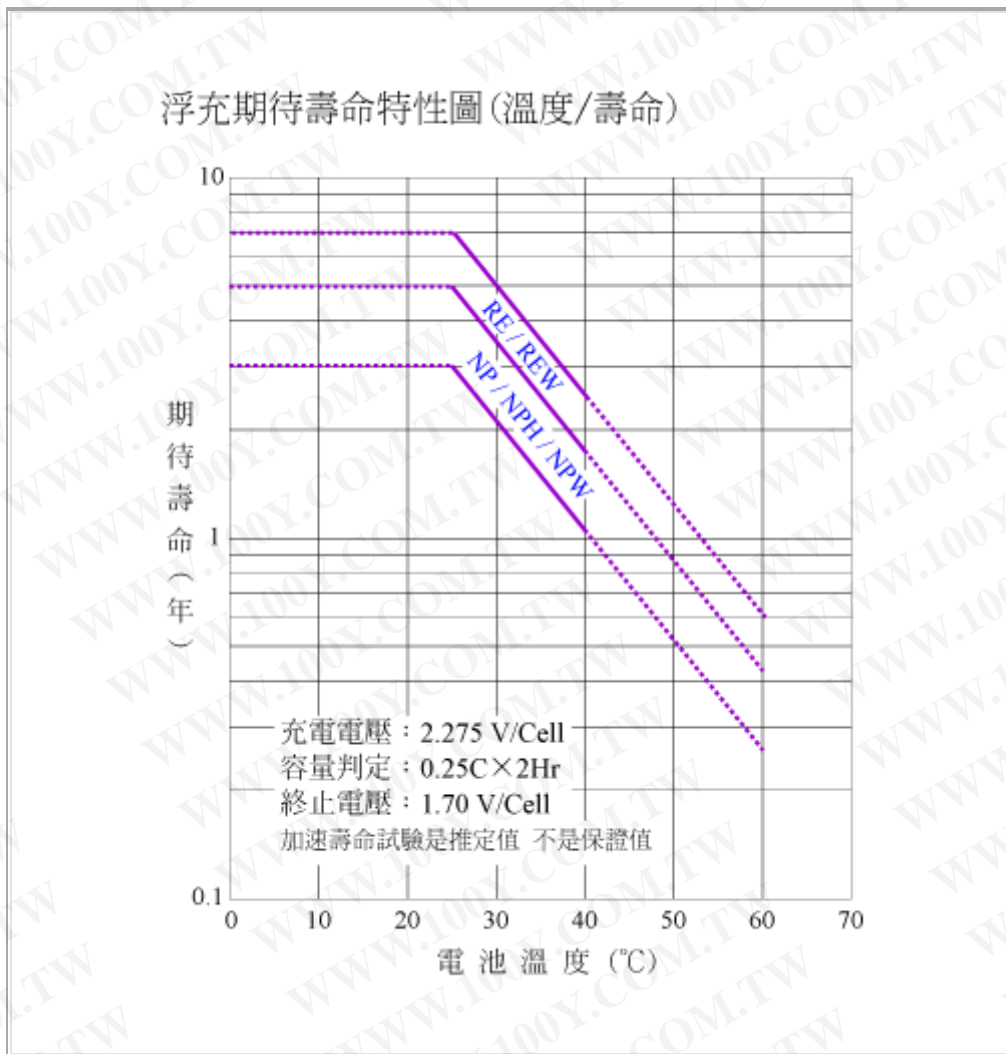
浮充充電電壓 / 壽命 關係表

浮充充電電壓 VS 壽命 關係表



浮充期待壽命特性圖 (溫度 / 壽命)

浮充期待壽命特性圖 (溫度/壽命)



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