



# 閥調式鉛酸蓄電池(VRLA)

## PL2.3-6 (6V2.3AH)

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
 Http://www.100y.com.tw

### 規格 Type

額定電壓 Rated Voltage	6V	
額定容量 Rated Capacity	2.3AH/20HR	
尺寸 Dimension	長度 Length	43±1mm(1.69in)
	寬度 Width	37.5±1mm(1.48in)
	高度 Height	76±1mm(2.99in)
	總高度 Total Height	76±1mm(2.99in)
重量 Weight	0.35kg(0.77Pounds)	
電槽材質 Container Material	ABS,UL94-0 抗酸、抗油、防震 Resist acid, resist oil, resist vibration	氧氣指數 Index of oxygen L.O.I.>28%
電解液型式 Type of electrolyte	AGM 不外漏 Non-spillable	

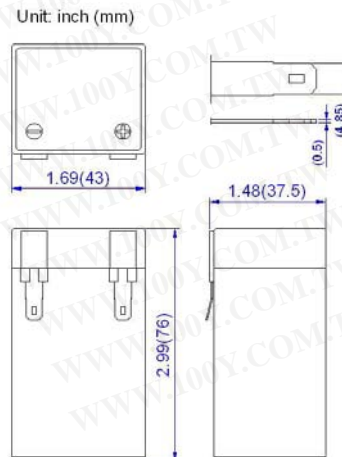
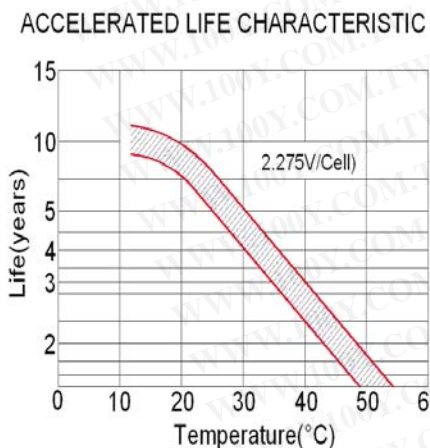


### 特性 Performance

容量 Capacity 25°C(77°F)	20 小時率 20HR of 0.115A to 5.25V	2.30AH
	5 小時率 5HR of 0.373A to 5.25V	1.86AH
	1 小時率 1HR of 1.380A to 5.25V	1.38AH
	0.5 小時率 0.5HR of 2.420A to 5.25V	1.21AH
內阻 Internal Resistance	完全充電 Full Charge 25°C(77°F)	大約 Approx.40mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C(104°F)	105%(20HR to 2.42AH)
	25°C(77°F)	100%(20HR to 2.30AH)
	0°C(32°F)	85%(20HR to 1.95AH)
	-20°C(-4°F)	60%(20HR to 1.38AH)
自我放電 Self-discharge 25°C(77°F)	1 個月 尚有 97% 1 months, 97% left	6 個月 尚有 85% 6 months, 85% left
	3 個月 尚有 91% 3 months, 91% left	12 個月 尚有 64% 12 months, 64% left
最大充電電流 Max Charge Current	0.57A(0.25CA)	
最大放電電流 Max Discharge Current	23.0A(10CA)	
最大短路電流 Max Short Duration Discharge Current	34.5A(15CA)	

浮充 Float Charging	電壓 Voltage	6.83±0.07V 25°C(77°F)
	電流 Current	0.69A(0.3CA)
操作溫度 Operation Temperature Range	充電 Charge:-10~40°C(14~104°F) · 放電 Discharge:-20~50°C(-4~122°F)	
期待壽命 Expected Life	25°C(77°F)5years	

### 壽命與溫度關係



# PL2.3 -6 PERFORMANCE

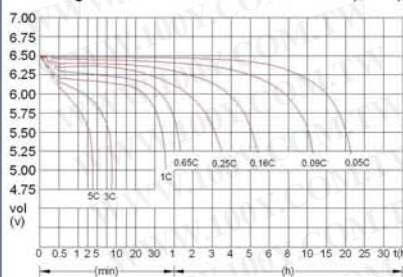
Amperes and watts per battery at 25°C (77°F)

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F.V.	Time	Minutes										Hours							
		Item	1	5	10	15	20	25	30	35	40	45	1	2	3	4	5	8	10
1.60 (4.80)	A	10.95	6.95	5.13	4.16	3.66	3.06	2.74	2.48	2.30	2.09	1.610	0.920	0.644	0.506	0.409	0.267	0.235	0.129
	W	57.48	36.47	26.93	22.90	20.11	17.59	15.74	14.28	13.23	12.03	9.26	5.38	3.77	2.96	2.46	1.60	1.41	0.77
1.66 (4.95)	A	9.64	6.37	4.74	3.91	3.40	2.90	2.58	2.35	2.16	1.98	1.564	0.909	0.636	0.495	0.405	0.262	0.230	0.127
	W	50.59	33.45	24.87	21.51	18.72	16.66	14.81	13.49	12.43	11.37	8.99	5.31	3.72	2.89	2.43	1.57	1.38	0.76
1.70 (5.10)	A	8.74	6.12	4.39	3.68	3.20	2.76	2.48	2.25	2.05	1.93	1.518	0.886	0.621	0.477	0.396	0.256	0.216	0.120
	W	45.89	32.12	23.06	20.24	17.58	15.87	14.28	12.96	11.77	11.11	8.73	5.18	3.63	2.79	2.37	1.54	1.30	0.72
1.75 (5.25)	A	7.66	5.80	4.03	3.43	3.04	2.65	2.42	2.16	1.98	1.84	1.380	0.840	0.583	0.454	0.373	0.250	0.207	0.115
	W	40.21	30.43	21.13	18.85	16.70	15.21	13.89	12.43	11.37	10.58	8.60	4.91	3.41	2.66	2.24	1.50	1.24	0.69
1.80 (5.40)	A	6.79	5.24	3.66	3.13	2.78	2.51	2.25	2.07	1.89	1.79	1.323	0.805	0.575	0.443	0.363	0.242	0.202	0.113
	W	35.62	27.53	19.20	17.20	15.31	14.42	12.96	11.90	10.84	10.32	8.33	4.71	3.36	2.59	2.18	1.45	1.21	0.68
1.83 (5.49)	A	6.33	4.83	3.29	2.69	2.32	2.14	2.00	1.79	1.61	1.54	1.260	0.794	0.544	0.420	0.340	0.236	0.189	0.106
	W	33.21	25.36	15.21	14.80	12.78	12.30	11.51	10.32	9.26	8.86	7.94	4.64	3.18	2.46	2.04	1.41	1.13	0.63

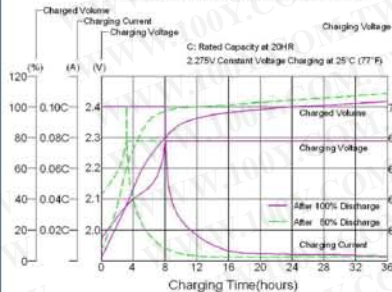
放電特性(25°C)

Discharge characteristic at different rates(25°C)



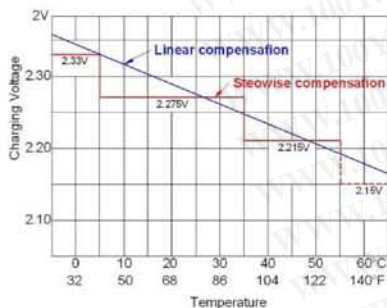
定電壓充電(25°C)

CHARGING CHARACTERISTICS



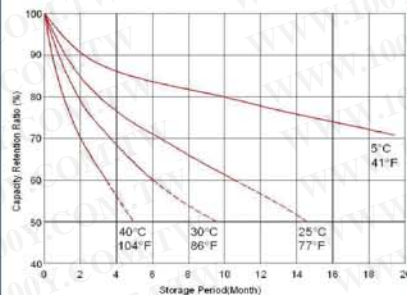
溫度與充電電壓關係

Relationship Between Temperature and Charging Voltage



容量保持性與溫度關係

Capacity Retention Characteristic



## 用途 Application:

- ☆廣播電視系統  
Broadcast television systems
- ☆電信和 UPS 系統  
Telecom and UPS systems
- ☆通信系統  
Communication back-up systems
- ☆太陽能儲備系統  
Solar storage power systems
- ☆電力系統  
Power systems
- ☆電動堆高機、牽引車  
Forklift, elevator systems
- ☆緊急照明  
Emergency lighting
- ☆火災安全系統  
Fire and security systems

## 穩定性 Stabilities:

- ☆正負極板是鉛鈣合金  
Positive, negative's plates are all Calcium-Lead alloy.
- ☆塑殼是防火 ABS 或等級是 UL 94V-0 L.o.I > 28%  
The plastic material is fire-resistance ABS or same grade of UL 94V-0 L.O.I > 28%

## 極柱 Polarities:

- ☆極柱採用鉛錫合金或合金銅鍍鉛材質  
The polarities adopted Antimony-Lead alloy or copper alloy covered with Lead material.

## 密閉結構 Seal construction:

- ☆沒有漏酸的危險，氣體釋放率超低，不需加水，能防止電解液乾枯或產生層化現象(於放電時)再組合率大於 98%  
Non-spillable, no leaking danger, the gas escape rate is low, no need to replenish water, can avoid acid lack or crystallization problem during discharge, the recombination rate is high than 98%