

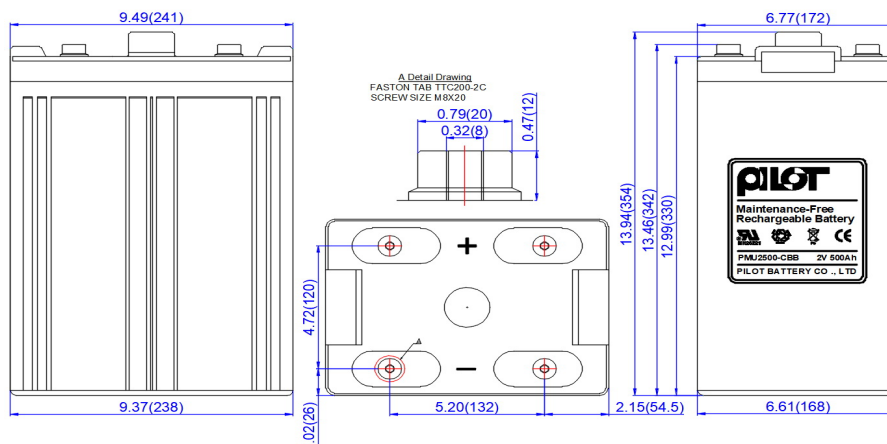
### 規格Specification

額定電壓 Rated Voltage	2V	
額定容量 Rated Capacity	500AH/10Hr/1.8V	端子 Terminal: 螺栓(M8 Bolt)
尺寸 Dimension	長度 Length	241±1mm(9.49in)
	寬度 Width	172±1mm(6.77in)
	高度 Height	330±1mm(12.99in)
	總高度 Total Height	366±1mm(14.40in)
重量 Weight	30.9kg(67.98Pounds)	
電槽材質 Container Material	ABS, UL 94V-0 or UL 94-HB 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 Properties

容量 Capacity 25°C (77°F)	10 小時率 10HR of	50.0A to 1.80V	500.0AH
	5 小時率 5HR of	85.0A to 1.80V	425.0AH
	1 小時率 1HR of	265.0A to 1.80V	265.0AH
	0.5 小時率 0.5HR of	390.0A to 1.80V	195.0AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C (77°F)		大約 Approx. 0.48mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C (104°F)		105%(10HR to 525AH)
	25°C (77°F)		100%(10HR to 500AH)
	0°C (32°F)		85%(10HR to 425AH)
	-20°C (-4°F)		60%(10HR to 300AH)
最大放電電流 5 秒 Maximum Discharge Current at 5 Sec			2250.0A(4.5CA)
浮充 Float Charging	電壓 Voltage	2.275±0.025V 25°C (77°F)	
	電流 Current	150.0A(0.3CA)	
循環充電 Cyclic Charging	電壓 Voltage	2.40±0.05V 25°C (77°F)	
	電流 Current	125.0A(0.25CA)	
操作溫度 Operation Temperature Range	充電 Charge/放置 Storage: -15~50°C (5~122°F), 放電 Discharge: -20~50°C (-4~122°F)		
期待壽命 Expected Life	25°C (77°F) 12~15 years		
性能特點 Performance characteristics	<p>擁有超級電容瞬間大容量充電的優點，也發揮了鉛酸電池的比能量優勢，且非常好的充電性能，優異的低溫啟動能力，更長的循環壽命。</p> <p>Has the advantages of instantaneous supercapacitor charging capacity, but also play a lead-acid batteries than the energy advantages, and very good charging performance, excellent low temperature start-up ability, longer cycle life.</p>		

### 尺寸 Dimension: inch (mm)



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

F.V.	Time Item	Minutes				Hours						
		30	35	40	45	1	2	3	4	5	8	10
1.60	A	538	490	450	400	324.0	192.0	143.0	114.0	95.5	67.5	55.5
	W	959	894	825	736	605	366	273	218	183	130	107
1.65	A	512	460	420	380	315.5	185.0	137.0	110.0	94.5	66.0	54.5
	W	935	846	776	705	593	354	263	212	183	127	106
1.70	A	498	440	405	370	304.0	182.0	134.0	109.0	93.0	64.0	53.0
	W	916	813	756	698	574	348	258	210	180	124	103
1.75	A	431	420	380	350	280.0	176.0	132.5	107.0	90.0	62.5	52.0
	W	801	785	712	658	531	337	256	208	158	122	102
1.80	A	390	375	360	325	265.0	164.0	125.0	102.0	85.0	60.0	50.0
	W	727	702	677	613	505	316	242	198	165	117	99
1.83	A	350	325	300	275	244.0	155.0	116.0	94.0	79.0	55.0	47.0
	W	665	620	577	534	469	302	226	184	155	108	93

### 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, wind power systems
- ☆電力系統  
Power systems
- ☆緊急照明  
Emergency lighting

### 密閉結構 Seal construction

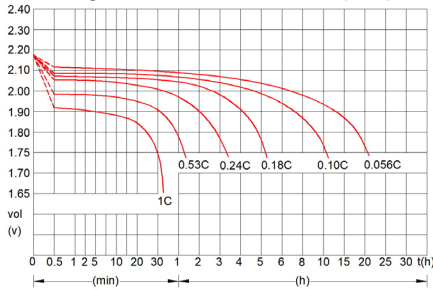
- ☆沒有漏酸的危險，氣體釋放率超低，不需加水，能防止電解液乾枯或產生層化現象(於放電時)再組合率大於 98%
- Non-spillable, no leaking danger, the gas consumption rate is low, no need to replenish water, can avoid acid lack or crystallization problem during discharge, the recombination rate is higher than 98%
- ☆極柱採用鉛錫合金或合金銅鍍鉛材質  
The polarities adopted Antimony-Lead alloy or copper alloy covered with Lead material.

### 穩定性 Stabilities

- ☆正負極板是鉛銀合金  
Positive and negative plates are lead silver 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%
- ☆組立用螺絲採用 M8 螺絲，扭力從 10N-m 至 12N-m(最大)採用不銹鋼材質，堅固耐用。Assembling screws using M8 screws, torque from 10N-m to 12N-m (maximum) made of stainless steel, durable.

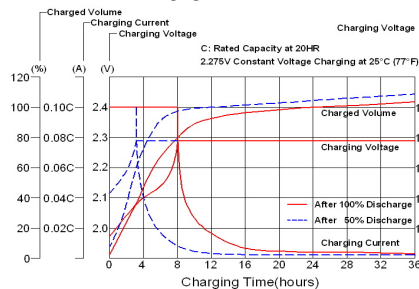
### 放電特性(25°C)

Discharge characteristic at different rates(25°C)



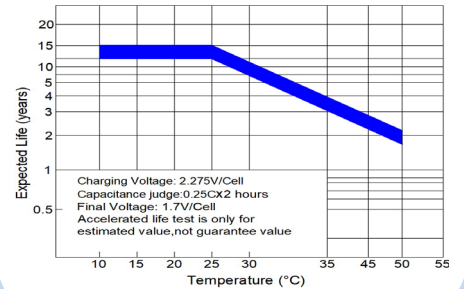
### 定電壓充電(25°C)

Charging Characteristics



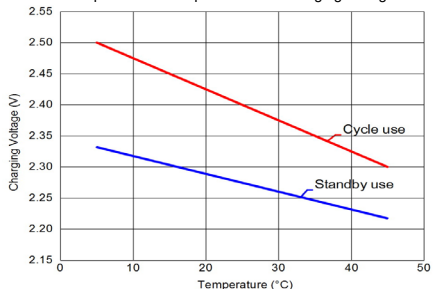
### 壽命與溫度關係

Accelerated Life Characteristic



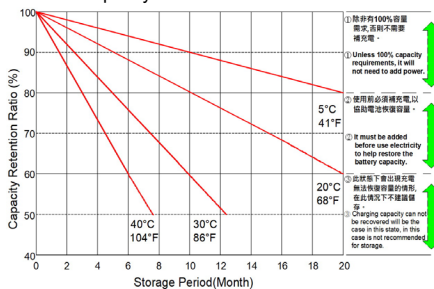
### 溫度與充電電壓關係

Relationship Between Temperature And Charging Voltage



### 容量保持特性

Capacity Retention Characteristics



### 壽命循環關係

Cycle Service Life

