

規格Specification

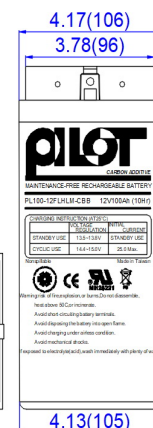
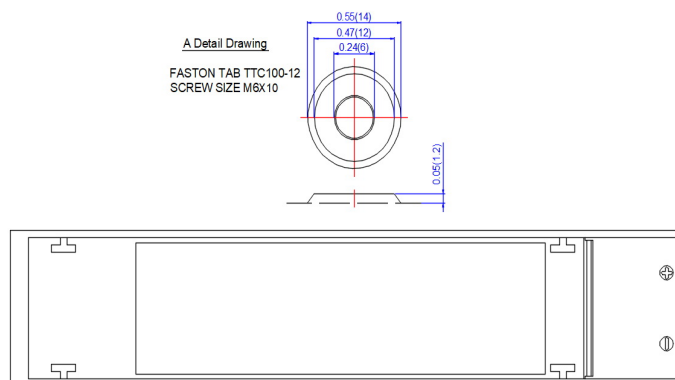
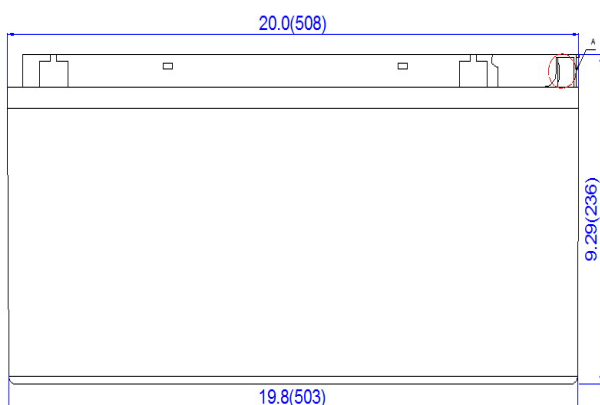


額定電壓Rated Voltage	12V	
額定容量Rated Capacity	100AH/10Hr/10.8V	端子Terminal: 螺栓(M6 Bolt)
尺寸Dimension	長度Length	508±1mm(20.0in)
	寬度Width	106±1mm(4.17in)
	高度Height	236±1mm(9.29in)
	總高度Total Height	236±1mm(9.29in)
重量Weight		33kg(72.6Pounds)
電槽材質 Container Material	ABS, UL 94V-0 or UL 94-HB 抗酸、抗油、防震 Resist acid, 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 10.0A to 1.80V	100.0AH
	5 小時率 5HR of 18.1A to 1.80V	90.5AH
	1 小時率 1HR of 66.2A to 1.80V	66.2AH
	0.5 小時率 0.5HR of 116.0A to 1.80V	58.0AH
內阻Internal Resistance (at 1KHz)	完全充電Full Charge at 25°C(77°F)	大約Approx.4.2mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C(104°F)	105%(10HR to 105AH)
	25°C(77°F)	100%(10HR to 100AH)
	0°C(32°F)	85%(10HR to 85AH)
	-20°C(-4°F)	60%(10HR to 65AH)
最大放電電流5 秒Maximum Discharge Current at 5 Sec		650A(6.5CA)
浮充Float Charging	電壓Voltage	13.65±0.15V 25°C(77°F)
	電流Current	30.0A(0.3CA)
循環充電 Cyclic Charging	電壓Voltage	14.70±0.30V 25°C(77°F)
	電流Current	25.0A(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) 10~12 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						
		5	10	15	20	25	30	35	40	45	1	2	3	4	5	8	10
1.60 (9.60)	A	400.0	302.4	226.8	178.2	162.0	140.4	129.6	108.0	102.6	74.3	45.7	34.1	25.1	20.4	13.3	11.6
	W	4040	3145	2495	2106	1847	1588	1458	1328	1198	855	535	399	294	244	159	140
1.65 (9.90)	A	370.0	291.6	220.3	176.0	156.6	138.2	124.2	105.8	100.4	72.4	45.1	31.6	24.6	20.1	13.0	11.4
	W	3848	3062	2490	2100	1826	1581	1452	1316	1186	832	527	370	288	241	156	137
1.70 (10.2)	A	340.0	280.8	210.6	172.8	151.2	135.0	118.8	102.6	97.2	70.4	43.9	30.9	23.7	19.7	12.7	10.7
	W	3604	2982	2430	2052	1718	1555	1394	1264	1134	810	514	361	277	236	152	128
1.75 (10.5)	A	310.0	259.2	193.3	165.2	142.6	131.8	116.6	100.4	95.0	69.5	41.7	28.9	22.5	18.5	12.5	10.3
	W	3302	2781	2333	1976	1652	1519	1292	1216	1106	799	488	338	264	222	149	123
1.80 (10.8)	A	280.0	237.6	178.2	156.6	135.0	129.6	113.4	97.2	91.8	66.6	40.0	28.6	22.0	18.1	12.0	10.1
	W	3000	2592	2242	1912	1588	1490	1263	1166	1069	766	468	335	258	216	144	121
1.83 (10.98)	A	250.0	205.2	145.8	124.2	102.6	97.2	91.8	75.6	72.4	63.7	39.4	27.1	20.9	16.9	11.7	9.4
	W	2679	2239	1834	1516	1207	1118	1023	907	843	732	461	317	244	203	141	112

用途 Application

- ☆通信系統
Communication back-up systems
- ☆UPS 交換式直流供電設備
UPS switched dc-powered devices
- ☆無人機房之電源設備
UAV room for power supplies

密封結構 Seal construction

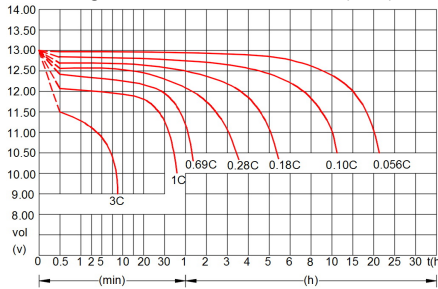
- ☆沒有漏酸的危險，氣體釋放率超底，不需加水，能防止電解液乾枯或產生層化現象(於放電時)再組合率大於 98%
- Non-spillable, no leaking danger, the gas consumption rate is low, no need to replenish water, can avoid acid lack or crystallization problem during discharge, the recombination rate is higher than 98%
- ☆端子採用合金銅鍍錫材質
Terminals are tin-plated copper alloy material.

穩定性 Stabilities

- ☆正負極板是鉛銀合金
Positive and negative plates are lead silver alloy.
- ☆塑膠殼是防火 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 M6 螺絲，扭力從 5N-m 至 8N-m(最大)採用不銹鋼材質，堅固耐用。
Assembling screws using M6 screws, torque from 5N-m to 8N-m (maximum) made of stainless steel, durable.

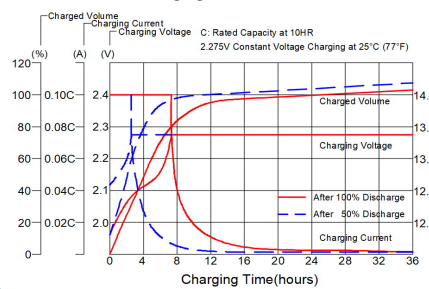
放電特性(25°C)

Discharge characteristic at different rates(25°C)



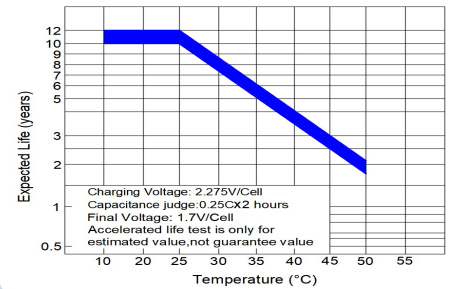
定電壓充電(25°C)

Charging Characteristics



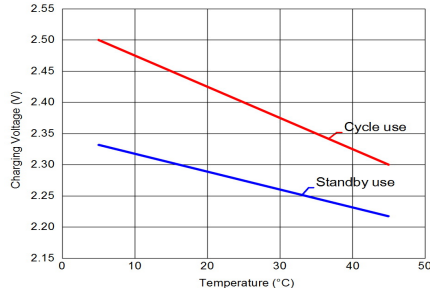
壽命與溫度關係

Accelerated Life Characteristic



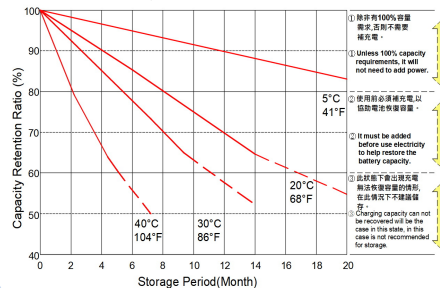
溫度與充電電壓關係

Relationship Between Temperature And Charging Voltage



容量保持特性

Capacity Retention Characteristics



壽命循環關係

Cycle Service Life

