

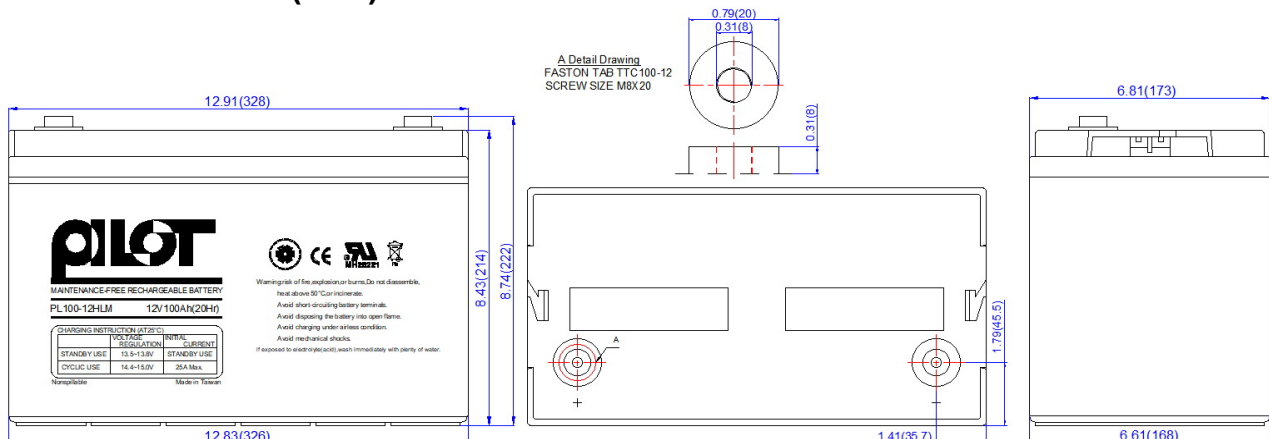
規格Specification

額定電壓 Rated Voltage	12V	
額定容量 Rated Capacity	100AH/20Hr/10.5V	端子 Terminal: 螺栓(M8 Bolt)
尺寸 Dimension	長度 Length	328±1mm(12.91in)
	寬度 Width	173±1mm(6.81in)
	高度 Height	214±1mm(8.43in)
	總高度 Total Height	222±1mm(8.74in)
重量 Weight	30.0kg(66Pounds)	
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)	20 小時率 20HR of 5.0A to 10.5V	100.0AH
	5 小時率 5HR of 16.2A to 10.5V	81.0AH
	1 小時率 1HR of 65.0A to 10.5V	65.0AH
	0.5 小時率 0.5HR of 105.0A to 10.5V	52.5AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C(77°F)	大約 Approx.4.8mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C(104°F)	105%(20HR to 105AH)
	25°C(77°F)	100%(20HR to 100AH)
	0°C(32°F)	85%(20HR to 85AH)
	-20°C(-4°F)	60%(20HR to 60AH)
最大放電電流 5 秒 Maximum Discharge Current at 5 Sec		650.0A(6.5CA)
浮充 Float Charging	電壓 Voltage	13.65±0.15V 25°C(77°F)
	電流 Current	30.00A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	14.70±0.30V 25°C(77°F)
	電流 Current	25.00A(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	20
1.60 (9.60)	A	302	223	181	159	133	119	108	100	91	70.0	40.0	28.0	22.0	17.8	11.6	10.2	5.6
	W	3171	2342	1991	1749	1530	1369	1242	1150	1047	805	468	328	257	214	140	122	67
1.65 (9.90)	A	277	206	170	148	126	112	102	94	86	68.0	39.5	27.7	21.5	17.6	11.4	10.0	5.5
	W	2909	2163	1870	1628	1449	1288	1173	1081	989	782	462	324	252	211	137	120	66
1.70 (10.2)	A	266	191	160	139	120	108	98	89	84	66.0	38.5	27.0	20.8	17.2	11.1	9.4	5.2
	W	2793	2006	1760	1529	1380	1242	1127	1024	966	759	450	316	243	206	134	113	62
1.75 (10.5)	A	252	175	149	132	115	105	94	86	80	65.0	36.5	25.3	19.8	16.2	10.9	9.0	5.0
	W	2646	1838	1639	1452	1323	1208	1081	989	920	748	427	296	231	194	131	108	60
1.80 (10.8)	A	228	159	136	121	109	98	90	82	78	63.0	35.0	25.0	19.3	15.8	10.5	8.8	4.9
	W	2394	1670	1496	1331	1254	1127	1035	943	897	725	410	293	225	190	126	106	59
1.83 (10.98)	A	210	126	117	101	93	87	78	70	67	60.0	34.5	23.7	18.3	14.8	10.3	8.2	4.6
	W	2205	1323	1287	1111	1070	1001	897	805	771	690	404	277	214	178	123	98	55

用途 Application

- ☆ UPS 緊急備用電源
UPS emergency backup power
- ☆ 通信系統
Communication back-up systems
- ☆ 電力系統
Power systems
- ☆ 太陽能儲備系統
Solar storage power systems
- ☆ 緊急照明
Emergency lighting
- ☆ 防火、保全系統
Fire, security systems

密閉結構 Seal construction

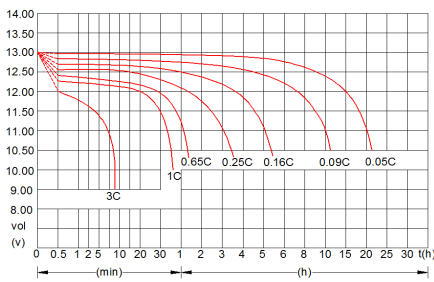
- ☆ 沒有漏酸的危險，氣體釋放率超低，不需加水，能防止電解液乾枯或產生層化現象(於放電時)再組合率大於 98%
- Non-spillable, no leaking danger, the gas consumption rate is low, no need to replenish water, can avoid acid lack or crystallization problem during discharge, the recombination rate is higher than 98%
- ☆ 極柱採用鉛錫合金或合金銅鍍鉛材質
The polarities adopted 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 M8 螺絲，扭力從 7N-m 至 10N-m(最大)採用不銹鋼材質，堅固耐用。
Assembling screws using M8 screws, torque from 7N-m to 10N-m (maximum) made of stainless steel, durable.

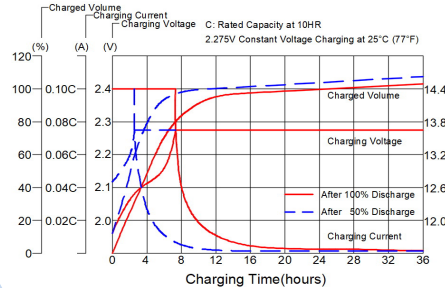
放電特性(25°C)

Discharge characteristic at different rates(25°C)



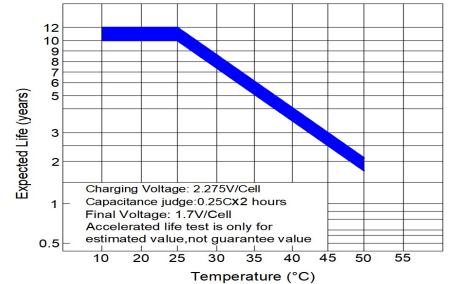
定電壓充電(25°C)

Charging Characteristics



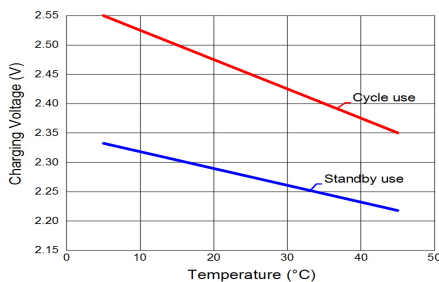
壽命與溫度關係

Accelerated Life Characteristic



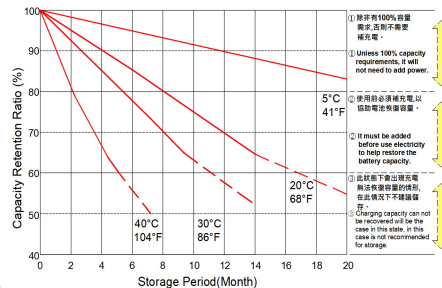
溫度與充電電壓關係

Relationship Between Temperature And Charging Voltage



容量保持特性

Capacity Retention Characteristics



壽命循環關係

Cycle Service Life

