

規格Specification

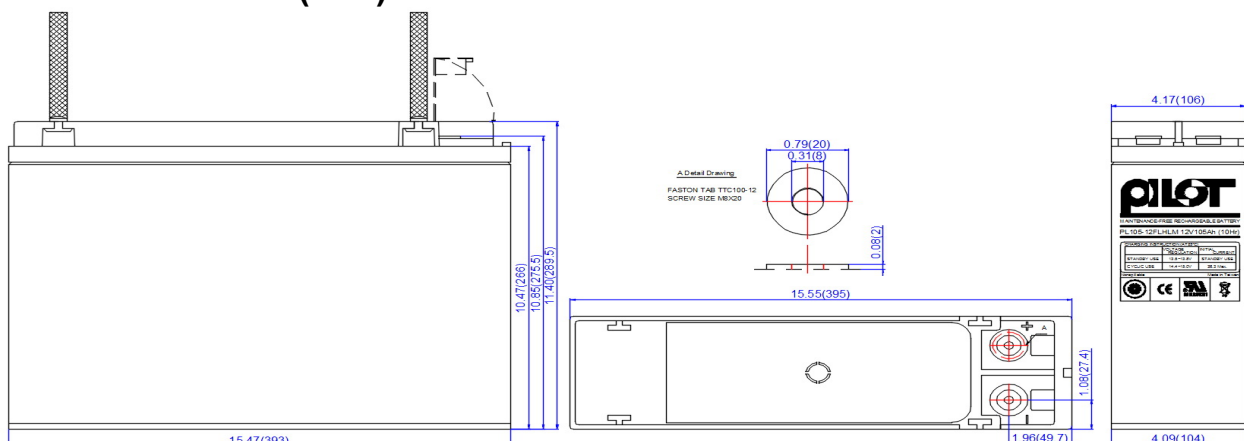


額定電壓Rated Voltage	12V	
額定容量Rated Capacity	105AH/10Hr/10.8V	端子Terminal:螺栓(M8 Bolt)
尺寸Dimension	長度Length	395.0±1mm(15.55in)
	寬度Width	106.0±1mm(4.17in)
	高度Height	289.5±1mm(11.40in)
	總高度Total Height	289.5±1mm(11.40in)
重量Weight		33.0kg(72.6Pounds)
電槽材質 Container Material	ABS,UL 94V-0 or UL 94-HB抗 酸、抗油、防震 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℃(77°F)	10 小時率	10HR of	10.5A to	10.8V	105.0AH
	5 小時率	5HR of	18.1A to	10.8V	90.5AH
	1 小時率	1HR of	66.2A to	10.8V	66.2AH
	0.5 小時率	0.5HR of	116.0A to	10.8V	58.0AH
內阻Internal Resistance (at 1KHz)	完全充電Full Charge at 25℃(77°F)				大約Approx.3.8mΩ
容量受溫度影響 The capacity will be effected by temperature	40℃(104°F)				105%(10HR to 110AH)
	25℃(77°F)				100%(10HR to 105AH)
	0℃(32°F)				85%(10HR to 89AH)
	-20℃(-4°F)				60%(10HR to 63AH)
最大放電電流5 秒Maximum Discharge Current at 5 Sec					682.5A(6.5CA)
浮充Float Charging	電壓Voltage				13.65±0.15V 25℃(77°F)
	電流Current				31.5A(0.3CA)
循環充電 Cyclic Charging	電壓Voltage				14.70±0.30V 25℃(77°F)
	電流Current				26.3A(0.25CA)
操作溫度 Operation Temperature Range	充電Charge/放置Storage:-15~50℃(5~122°F)，放電Discharge:-20~50℃(-4~122°F)				
期待壽命 Expected Life	25℃(77°F) 10~12 years				
性能特點 Performance characteristics	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。 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.				

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	A	394	296	221	184	156	129	113	105	96	73.9	43.5	34.1	25.1	20.4	13.3	11.9
(9.60)	W	4140	3112	2435	2027	1792	1486	1300	1213	1103	850	509	399	294	244	159	142
1.65	A	387	286	216	181	153	127	107	99	90	72.0	42.9	31.6	24.6	20.1	13.0	11.7
(9.90)	W	4060	3002	2372	1986	1761	1464	1235	1136	1038	828	502	370	288	241	156	140
1.70	A	380	281	211	177	151	125	103	93	88	70.1	41.8	30.9	23.7	19.7	12.7	10.9
(10.2)	W	3990	2953	2320	1944	1732	1442	1180	1071	1016	806	490	361	277	236	152	131
1.75	A	352	267	201	170	145	123	99	90	84	69.1	39.7	29.4	22.5	18.9	12.5	10.7
(10.5)	W	3691	2803	2215	1871	1666	1409	1136	1038	961	795	464	338	264	222	149	129
1.80	A	314	239	187	159	137	116	94	86	82	66.2	38.3	28.6	22.0	18.1	12.0	10.5
(10.8)	W	3292	2514	2059	1745	1573	1333	1082	994	940	762	446	335	258	216	144	126
1.83	A	285	212	160	132	117	101	82	73	70	63.4	37.5	27.1	20.9	16.9	11.7	9.6
(10.98)	W	2993	2224	1756	1453	1344	1158	940	841	808	729	439	317	244	203	141	115

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

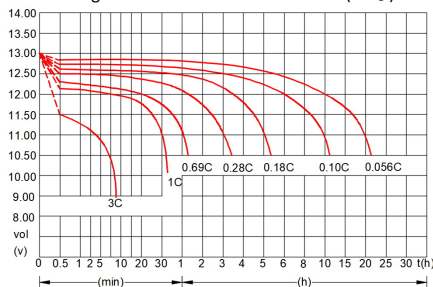
密封結構 Seal construction

- ☆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%
- ☆端子採用合金銅鍍錫材質
Terminals are tin-plated copper alloy material.

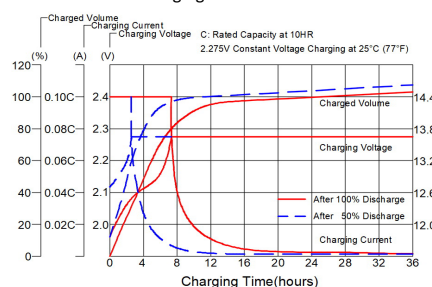
穩定性 Stabilities

- ☆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 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.

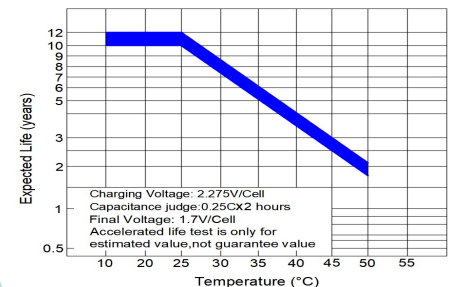
放電特性(25°C) Discharge characteristic at different rates(25°C)



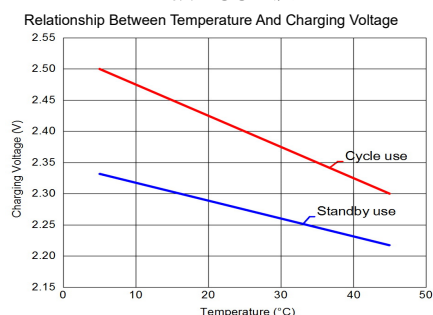
定電壓充電(25°C) Charging Characteristics



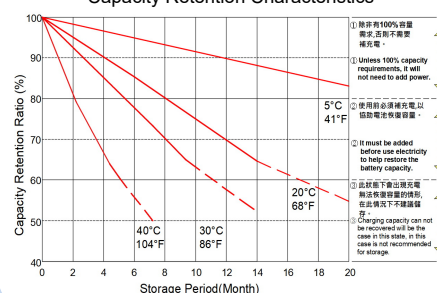
壽命與溫度關係 Accelerated Life Characteristic



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

