

規格Specification

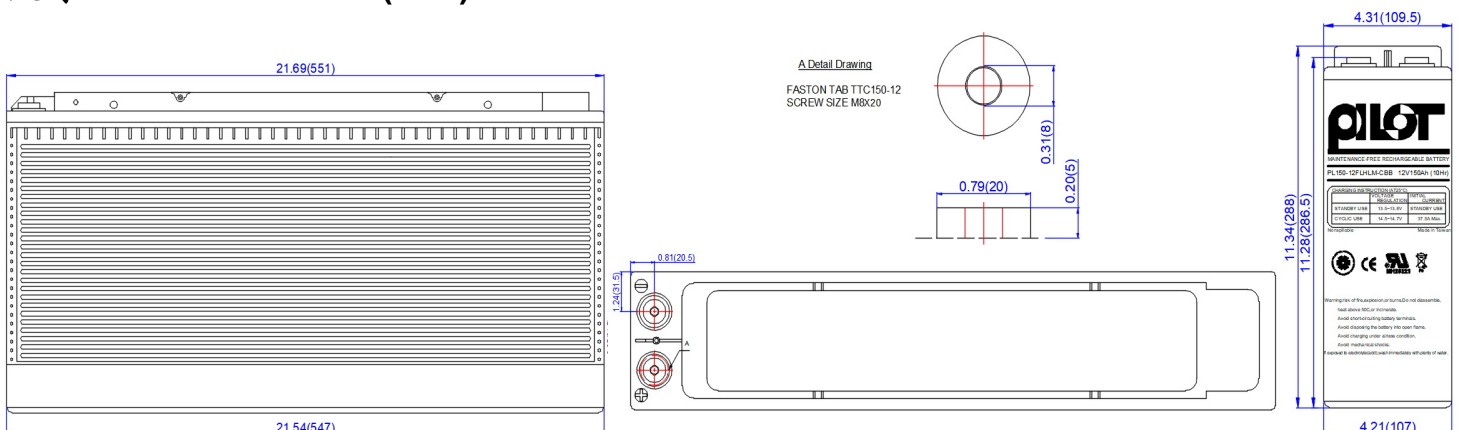


額定電壓Rated Voltage	12V	
額定容量Rated Capacity	150AH/10Hr/10.8V	端子Terminal: 螺栓(M8 Bolt)
尺寸Dimension	長度Length	551±1mm(21.69in)
	寬度Width	109.5±1mm(4.31in)
	高度Height	288±1mm(11.43in)
	總高度Total Height	288±1mm(11.43in)
重量Weight		40.75kg(89.65Pounds)
電槽材質 Container Material	ABS, UL 94V-0 or UL 94-HB 抗酸、抗油、防震 Resist 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	15.0A to	10.8V	150.0AH
	5 小時率	5HR of	26.4A to	10.8V	132.0AH
	1 小時率	1HR of	86.2A to	10.8V	86.2AH
	0.5 小時率	0.5HR of	147.0A to	10.8V	73.5AH
內阻Internal Resistance (at 1KHz)	完全充電Full Charge at 25℃(77°F)				大約Approx.4mΩ
容量受溫度影響 The capacity will be effected by temperature	40℃(104°F)				105%(10HR to 157.5AH)
	25℃(77°F)				100%(10HR to 150.0AH)
	0℃(32°F)				85%(10HR to 127.5AH)
	-20℃(-4°F)				60%(10HR to 90.0AH)
最大放電電流5 秒Maximum Discharge Current at 5 Sec					975A(6.5CA)
浮充Float Charging	電壓Voltage				13.65±0.15V 25℃(77°F)
	電流Current				45.0A(0.3CA)
循環充電 Cyclic Charging	電壓Voltage				14.70±0.30V 25℃(77°F)
	電流Current				37.5A(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	453.0	334.5	271.5	238.5	199.5	178.5	162.0	150.0	136.5	94.50	54.75	42.56	33.00	27.45	18.30	15.30
(9.60)	W	4757	3512	2987	2624	2294	2053	1863	1725	1570	1087	641	498	386	329	220	184
1.65	A	415.5	309.0	255.0	222.0	189.0	168.0	153.0	141.0	129.0	93.00	54.45	42.05	32.25	27.15	18.23	15.23
(9.90)	W	4363	3245	2805	2442	2174	1932	1760	1622	1484	1070	637	492	377	326	219	183
1.70	A	399.0	286.5	240.0	208.5	180.0	162.0	147.0	133.5	126.0	90.75	54.00	41.04	31.13	27.00	18.15	15.15
(10.2)	W	4190	3008	2640	2294	2070	1863	1691	1535	1449	1044	632	480	364	324	218	182
1.75	A	378.0	262.5	223.5	198.0	172.5	157.5	141.0	129.0	120.0	87.00	53.55	38.51	29.63	26.70	18.08	15.08
(10.5)	W	3969	2756	2459	2178	1984	1811	1622	1484	1380	1001	627	451	347	320	217	181
1.80	A	342.0	238.5	204.0	181.5	163.5	147.0	135.0	123.0	117.0	86.25	52.95	38.00	28.88	26.40	18.00	15.00
(10.8)	W	3591	2504	2244	1997	1880	1691	1553	1415	1346	992	620	445	338	317	216	180
1.83	A	315.0	189.0	175.5	151.5	139.5	130.5	117.0	105.0	100.5	84.90	52.50	35.97	27.38	26.25	17.85	14.94
(10.98)	W	3308	1985	1931	1667	1604	1501	1346	1208	1156	976	614	421	320	315	214	179

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

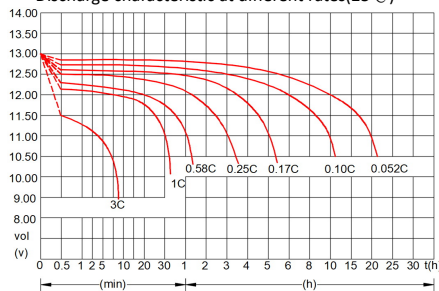
密封結構 Seal construction

- ☆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.

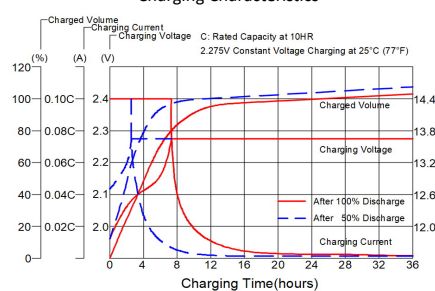
穩定性 Stabilities

- ☆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.

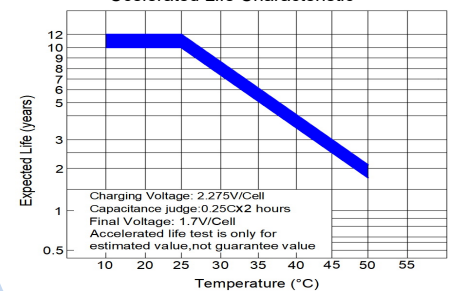
放電特性(25°C) Discharge characteristic at different rates(25°C)



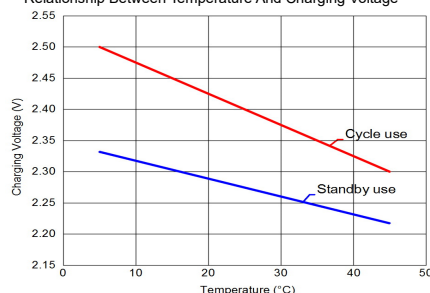
定電壓充電(25°C) Charging Characteristics



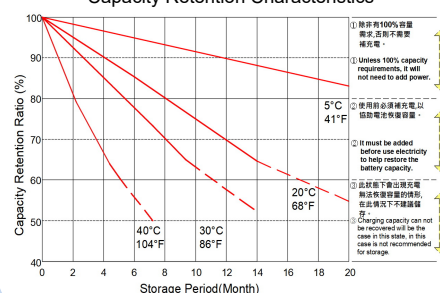
壽命與溫度關係 Accelerated Life Characteristic



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

