

閥調式鉛酸蓄電池(VRLA)

PL50-12 (12V50AH)

規格 Type

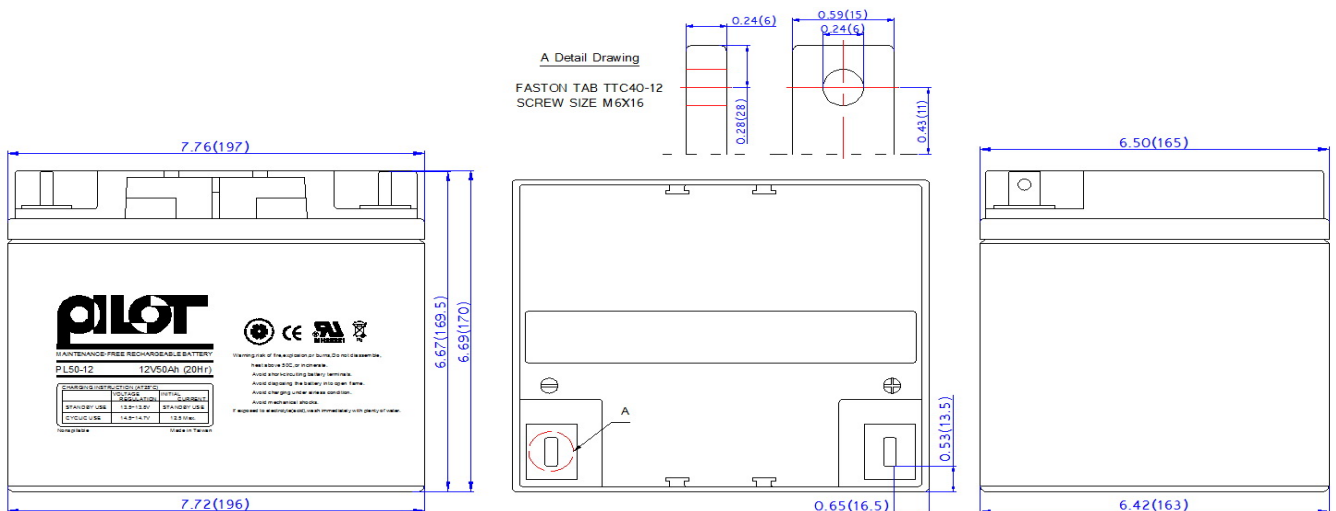
額定電壓 Rated Voltage	12V	
額定容量 Rated Capacity	50.0AH/20Hr/10.5V	端子 Terminal: 螺栓(M6 Bolt)
尺寸 Dimension	長度 Length	197±1mm(7.76in)
	寬度 Width	165±1mm(6.50in)
	高度 Height	170±1mm(6.69in)
	總高度 Total Height	170±1mm(6.69in)
重量 Weight	14.1kg(31.02Pounds)	
電槽材質 Container Material	ABS, UL 94V-0 or UL 94-HB 抗酸、抗油、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 2.50A to 10.5V	50.0AH
	5 小時率 5HR of 8.10A to 10.5V	40.5AH
	1 小時率 1HR of 32.50A to 10.5V	32.5AH
	0.5 小時率 0.5HR of 52.50A to 10.5V	26.3AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C(77°F)	大約 Approx.6.5mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C(104°F)	105%(20HR to 52.5AH)
	25°C(77°F)	100%(20HR to 50.0AH)
	0°C(32°F)	85%(20HR to 42.5AH)
	-20°C(-4°F)	60%(20HR to 30.0AH)
自我放電 Self-discharge	180 天後不到 20%，可以在 20°C (68°F) 下保存 6 個月；使用前需要完全充電。 Less than 20% after 180 days, it can be stored at 20°C (68°F) for 6 months; it needs to be fully charged before use.	
最大放電電流 5 秒 Maximum Discharge Current at 5 Sec	500.0A(10CA)	
浮充 Float Charging	電壓 Voltage	13.65±0.15V 25°C(77°F)
	電流 Current	15.00A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	14.70±0.30V 25°C(77°F)
	電流 Current	12.50A(0.25CA)
操作溫度 Operation Temperature Range	充電 Charge/放置 Storage:-15~40°C(5~104°F)，放電 Discharge:-20~50°C(-4~122°F)	
期待壽命 Expected Life	25°C(77°F) 3~5 years	

尺寸 Dimension: inch (mm)



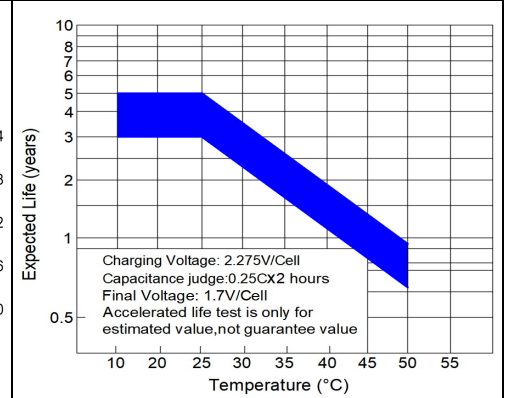
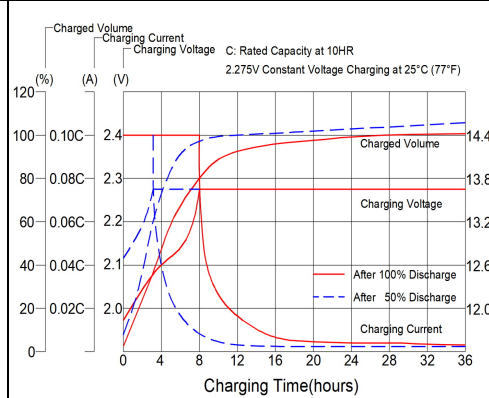
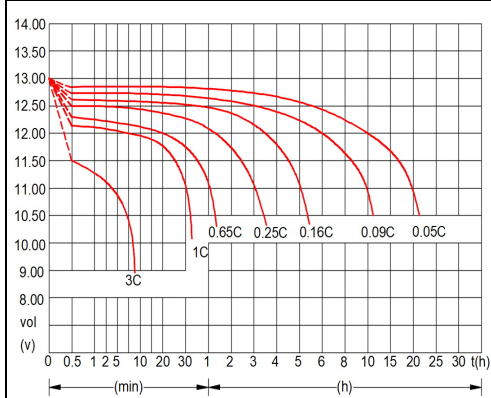
PL50-12 PROPERTIES

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

F.V.	Time	Minutes										Hours							
	Item	1	5	10	15	20	25	30	35	40	45	1	2	3	4	5	8	10	20
1.60 (9.60)	A	238.0	151.0	111.5	90.5	79.5	66.5	59.5	54.0	50.0	45.5	35.0	20.0	14.0	11.0	8.9	5.8	5.1	2.8
	W	2499	1586	1171	996	875	765	684	621	575	523	403	234	164	129	107	70	61	34
1.65 (9.90)	A	209.5	138.5	103.0	85.0	74.0	63.0	56.0	51.0	47.0	43.0	34.0	19.8	13.8	10.8	8.8	5.7	5.0	2.8
	W	2200	1454	1082	935	814	725	644	587	541	495	391	231	162	126	106	68	60	33
1.70 (10.20)	A	190.0	133.0	95.5	80.0	69.5	60.0	54.0	49.0	44.5	42.0	33.0	19.3	13.5	10.4	8.6	5.6	4.7	2.6
	W	1995	1397	1003	880	765	690	621	564	512	483	380	225	158	121	103	67	56	31
1.75 (10.50)	A	166.5	126.0	87.5	74.5	66.0	57.5	52.5	47.0	43.0	40.0	32.5	18.3	12.7	9.9	8.1	5.4	4.5	2.5
	W	1748	1323	919	820	726	661	604	541	495	460	374	214	148	116	97	65	54	30
1.80 (10.80)	A	147.5	114.0	79.5	68.0	60.5	54.5	49.0	45.0	41.0	39.0	31.5	17.5	12.5	9.6	7.9	5.3	4.4	2.5
	W	1549	1197	835	748	666	627	564	518	472	449	362	205	146	113	95	63	53	29
1.83 (10.98)	A	137.5	105.0	63.0	58.5	50.5	46.5	43.5	39.0	35.0	33.5	30.0	17.3	11.8	9.1	7.4	5.1	4.1	2.3
	W	1444	1103	662	644	556	535	500	449	403	385	345	202	138	107	89	62	49	28

用途 Application	密封結構 Seal construction	穩定性 Stabilities
<ul style="list-style-type: none"> ☆廣播電視系統 Broadcast television systems ☆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 ☆緊急照明器材 Emergency lighting equipment ☆防火、保全系統 Fire, security systems 	<ul style="list-style-type: none"> ☆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. 	<ul style="list-style-type: none"> ☆正負極板是鉛鈣合金 Positive, negative's plates are all Calcium-Lead 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 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	浮充期待壽命 Float Service Life
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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
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