

閥調式鉛酸蓄電池(VRLA)

PL58-12 (12V58AH)

規格 Type

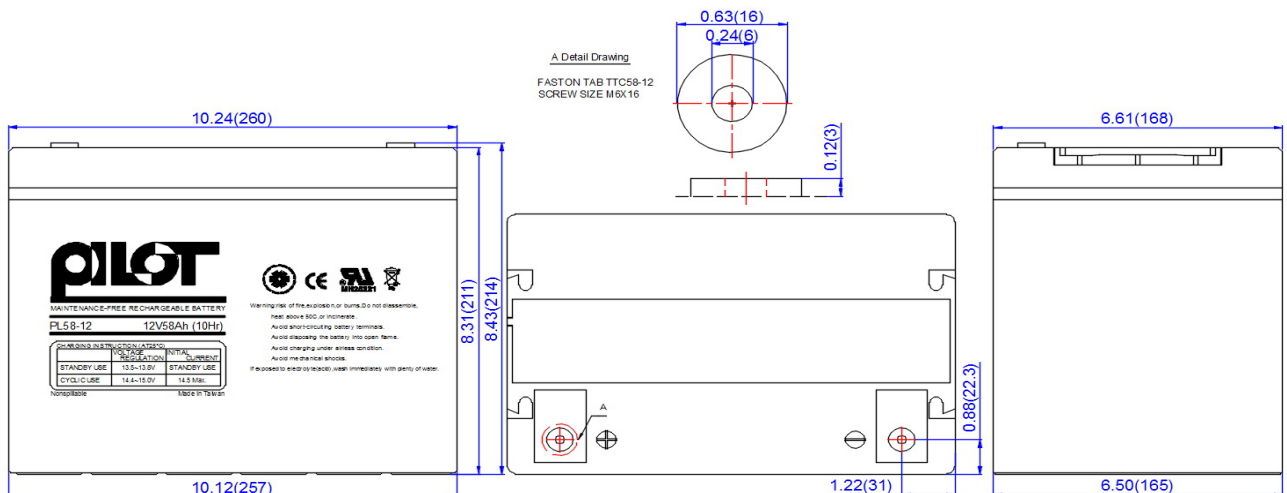
額定電壓 Rated Voltage	12V	
額定容量 Rated Capacity	58AH/10Hr/10.5V	端子 Terminal: 螺栓(M6 Bolt)
尺寸 Dimension	長度 Length	260±1mm(10.24in)
	寬度 Width	168±1mm(6.61in)
	高度 Height	211±1mm(8.31in)
	總高度 Total Height	214±1mm(8.43in)
重量 Weight	20.8kg(45.76Pounds)	
電槽材質 Container Material	ABS,UL 94V-0 or UL 94-HB 抗酸、抗油、防震 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 5.8A to 10.5V	58.0AH
	5 小時率 5HR of 10.4A to 10.5V	52.0AH
	1 小時率 1HR of 41.8A to 10.5V	41.8AH
	0.5 小時率 0.5HR of 67.3A to 10.5V	33.7AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C(77°F)	大約 Approx.6.0mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C(104°F)	105%(10HR to 60.9AH)
	25°C(77°F)	100%(10HR to 58.0AH)
	0°C(32°F)	85%(10HR to 49.3AH)
	-20°C(-4°F)	60%(10HR to 34.8AH)
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	580A(10CA)	
浮充 Float Charging	電壓 Voltage	13.65±0.15V 25°C(77°F)
	電流 Current	17.4A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	14.70±0.30V 25°C(77°F)
	電流 Current	14.5A(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)



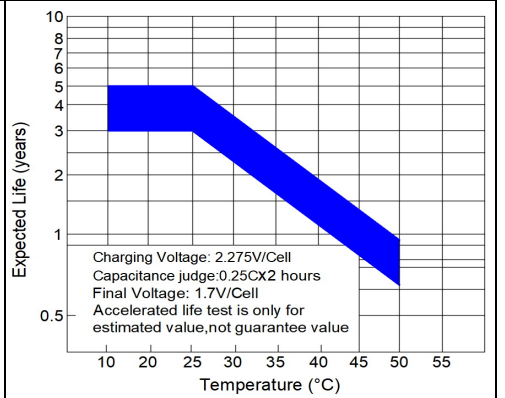
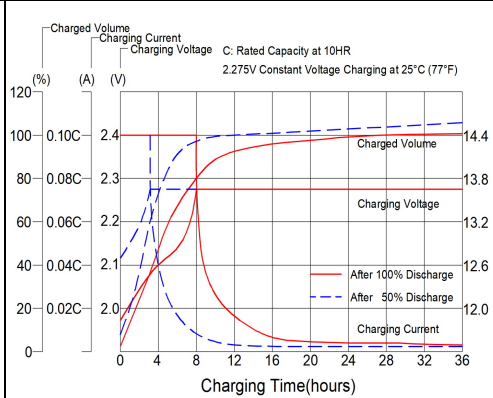
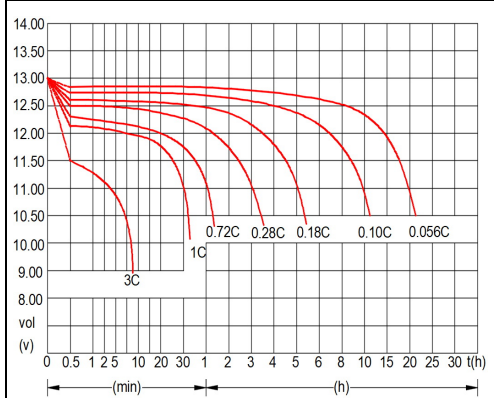
PL58-12 PROPERTIES

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	306.2	194.3	143.3	116.0	102.1	85.3	76.6	69.0	64.4	58.6	44.66	25.75	18.04	14.15	11.48	7.48	6.55	3.60
	W	3216	2040	1504	1276	1123	980	880	794	740	674	514	301	211	166	138	90	79	43
1.65 (9.90)	A	269.7	178.1	132.2	109.0	95.1	80.6	71.9	65.5	60.3	55.1	43.50	25.40	17.81	13.86	11.31	7.31	6.44	3.54
	W	2832	1870	1389	1199	1046	927	827	754	694	634	500	297	208	162	136	88	77	42
1.70 (10.20)	A	244.2	171.1	128.2	102.7	89.3	77.1	69.0	62.6	56.8	53.9	42.3	24.77	17.40	13.34	11.08	7.13	6.03	3.36
	W	2564	1797	1346	1129	983	887	794	720	654	620	487	290	204	156	133	86	72	40
1.75 (10.50)	A	214.0	161.8	112.5	95.7	84.7	73.7	67.3	60.3	55.1	51.0	41.8	23.49	16.30	12.70	10.44	7.02	5.80	3.25
	W	2247	1699	1181	1053	931	847	774	694	634	587	480	275	191	149	125	84	70	39
1.80 (10.80)	A	189.7	146.7	102.1	87.6	77.7	70.2	62.6	57.4	52.8	49.9	40.0	22.56	16.12	12.41	10.15	6.79	5.68	3.13
	W	1991	1541	1072	963	855	807	720	660	607	574	460	264	189	145	122	81	68	38
1.83 (10.98)	A	176.9	135.1	80.6	74.8	65.0	59.7	55.7	49.9	44.7	42.9	38.3	22.21	15.25	11.77	9.51	6.61	5.28	2.96
	W	1857	1419	847	823	715	687	640	574	514	494	440	260	178	138	114	79	63	35

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



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
--	--	------------------------------

