

閥調式鉛酸蓄電池(VRLA)

PL38-24 (24V38AH)

規格 Type

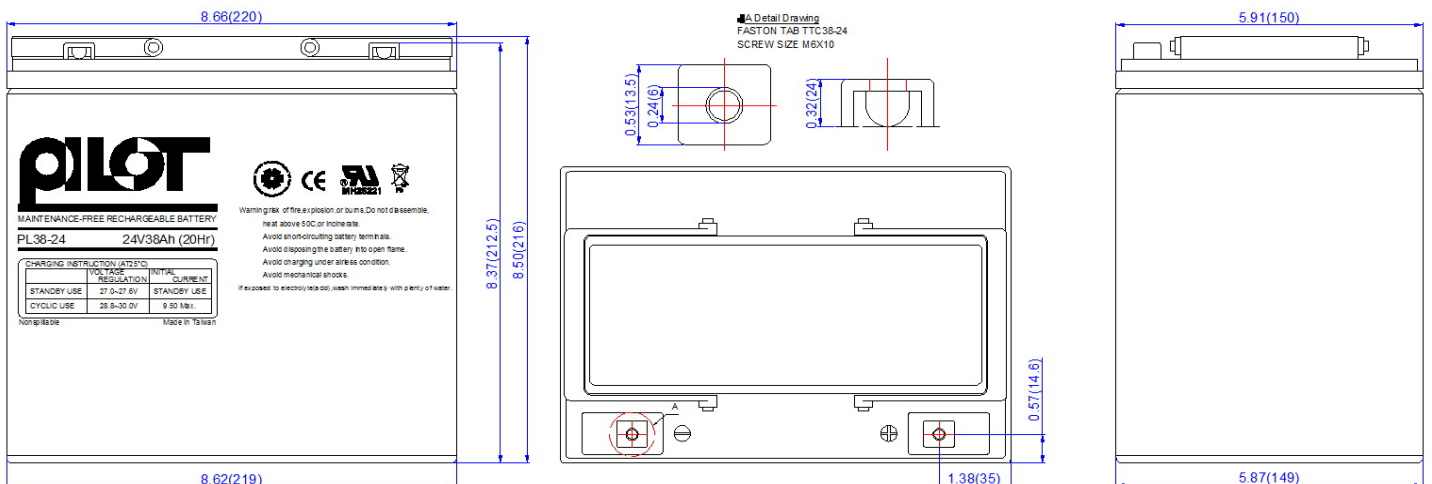
額定電壓 Rated Voltage	12V	
額定容量 Rated Capacity	38.0AH/20Hr/21.0V	端子 Terminal: 螺栓(M6 Bolt)
尺寸 Dimension	長度 Length	220±1mm(8.66in)
	寬度 Width	150±1mm(5.91in)
	高度 Height	216±1mm(8.50in)
	總高度 Total Height	216±1mm(8.50in)
重量 Weight	20.9kg(45.98Pounds)	
電槽材質 Container Material	ABS, UL 94V-0 or UL 94-HB 抗酸、抗油、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 1.90A to 21.0V	38.0AH
	5 小時率 5HR of 6.16A to 21.0V	30.8AH
	1 小時率 1HR of 24.70A to 21.0V	24.7AH
	0.5 小時率 0.5HR of 39.90A to 21.0V	19.9AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C (77°F)	大約 Approx. 13.0mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C (104°F)	105%(20HR to 39.9AH)
	25°C (77°F)	100%(20HR to 38.0AH)
	0°C (32°F)	85%(20HR to 32.3AH)
	-20°C (-4°F)	60%(20HR to 22.8AH)
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	380.0A(10CA)	
浮充 Float Charging	電壓 Voltage	27.6±0.30V 25°C (77°F)
	電流 Current	11.40A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	29.4±0.60V 25°C (77°F)
	電流 Current	9.50A(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)



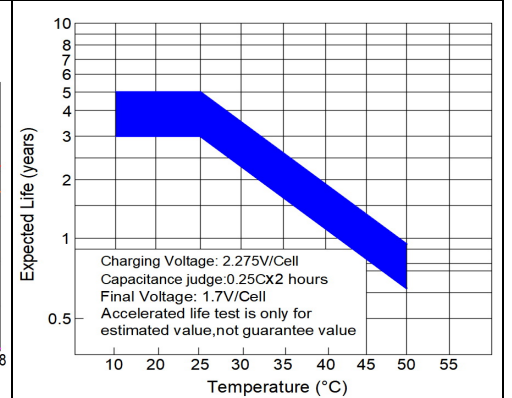
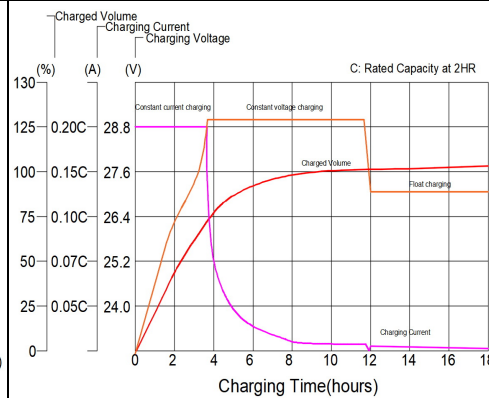
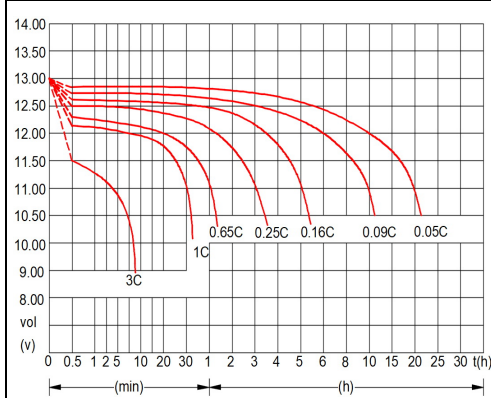
PL38-24 PROPERTIES

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 (19.20)	A	180.9	114.8	84.7	68.8	60.4	50.5	45.2	41.0	38.0	34.6	26.60	15.20	10.64	8.36	6.76	4.42	3.88	2.13
	W	3798	2410	1780	1513	1329	1162	1040	944	874	795	612	356	249	196	162	106	93	51
1.65 (19.80)	A	159.2	105.3	78.3	64.6	56.2	47.9	42.6	38.8	35.7	32.7	25.84	15.01	10.51	8.17	6.69	4.32	3.80	2.09
	W	3344	2210	1644	1421	1237	1101	979	891	822	752	594	351	246	191	161	104	91	50
1.70 (20.40)	A	144.4	101.1	72.6	60.8	52.8	45.6	41.0	37.2	33.8	31.9	25.08	14.63	10.26	7.89	6.54	4.23	3.57	1.98
	W	3032	2123	1524	1338	1162	1049	944	857	778	734	577	342	240	185	157	101	86	47
1.75 (21.00)	A	126.5	95.8	66.5	56.6	50.2	43.7	39.9	35.7	32.7	30.4	24.70	13.87	9.63	7.51	6.16	4.13	3.42	1.90
	W	2657	2011	1397	1246	1104	1005	918	822	752	699	568	325	225	176	148	99	82	46
1.80 (21.60)	A	112.1	86.6	60.4	51.7	46.0	41.4	37.2	34.2	31.2	29.6	23.94	13.30	9.50	7.32	6.00	3.99	3.34	1.86
	W	2354	1819	1269	1137	1012	953	857	787	717	682	551	311	222	171	144	96	80	45
1.83 (21.96)	A	104.5	79.8	47.9	44.5	38.4	35.3	33.1	29.6	26.6	25.5	22.80	13.11	8.99	6.94	5.62	3.90	3.12	1.75
	W	2195	1676	1005	978	844	813	760	682	612	586	524	307	210	162	135	93	75	42

用途 Application	密封結構 Seal construction	穩定性 Stabilities
☆電動代步車 Electric scooter ☆電動機車 Motor vehicles ☆電動腳踏車 Electric bicycle ☆各種電動玩具 All kinds of electric toys	☆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.	☆正負極板是鉛鈣合金 Positive, negative's plates are all Calcium-Lead 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 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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