

閥調式鉛酸蓄電池(VRLA)

PL40-12L (12V40AH)

規格 Type

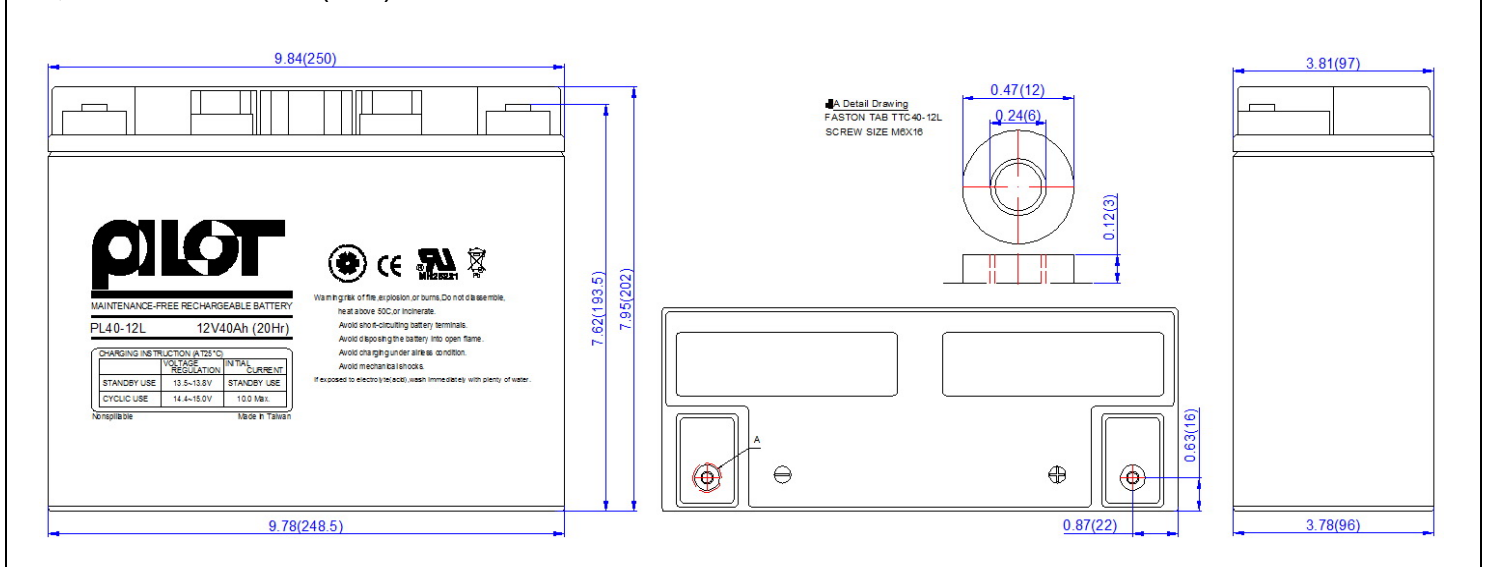
額定電壓 Rated Voltage	12V	
額定容量 Rated Capacity	40.0AH/20Hr/10.5V	端子 Terminal: 螺栓(M6 Bolt)
尺寸 Dimension	長度 Length	250±1mm(9.84in)
	寬度 Width	97±1mm(3.81in)
	高度 Height	202±1mm(7.95in)
	總高度 Total Height	202±1mm(7.95in)
重量 Weight	11.8kg(25.96Pounds)	
電槽材質 Container Material	ABS, UL 94V-0 or UL 94-HB 抗酸、抗油、防震 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 2.00A to 10.5V	40.0AH
	5 小時率 5HR of 6.50A to 10.5V	32.5AH
	1 小時率 1HR of 26.00A to 10.5V	26.0AH
	0.5 小時率 0.5HR of 42.00A to 10.5V	21.0AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C (77°F)	大約 Approx.8.0mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C (104°F)	105%(20HR to 42.0AH)
	25°C (77°F)	100%(20HR to 40.0AH)
	0°C (32°F)	85%(20HR to 34.0AH)
	-20°C (-4°F)	60%(20HR to 24.0AH)
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	600.0A(15CA)	
浮充 Float Charging	電壓 Voltage	13.65±0.15V 25°C (77°F)
	電流 Current	12.00A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	14.70±0.30V 25°C (77°F)
	電流 Current	10.00A(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)



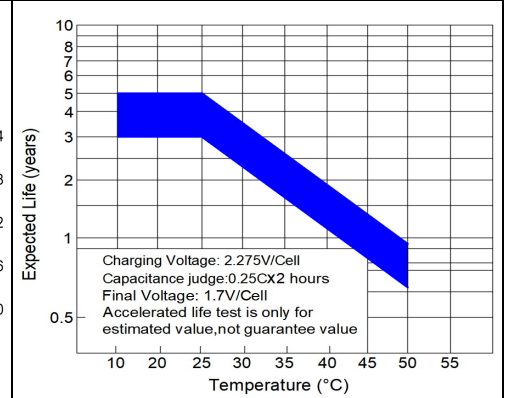
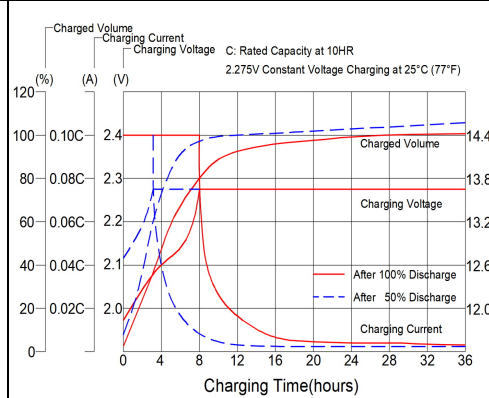
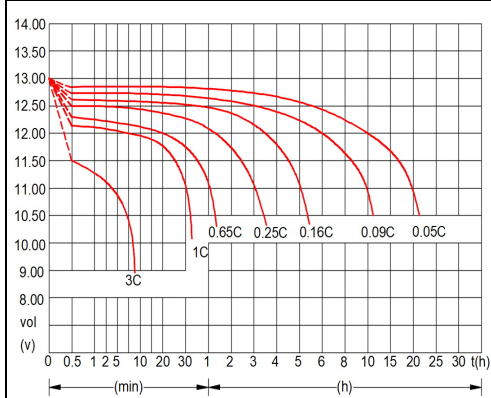
PL40-12L PROPERTIES

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

F.V.	Time Item	Minutes										Hours							
		1	5	10	15	20	25	30	35	40	45	1	2	3	4	5	8	10	20
1.60 (9.60)	A	190.4	120.8	89.2	72.4	63.6	53.2	47.6	43.2	40.0	36.4	28.0	16.0	11.2	8.8	7.1	4.7	4.1	2.2
	W	1999	1268	937	796	700	612	547	497	460	419	322	187	131	103	85	56	49	27
1.65 (9.90)	A	167.6	110.8	82.4	68.0	59.2	50.4	44.8	40.8	37.6	34.4	27.2	15.8	11.1	8.6	7.0	4.6	4.0	2.2
	W	1760	1163	865	748	651	580	515	469	432	396	313	185	129	101	84	55	48	26
1.70 (10.20)	A	152.0	106.4	76.4	64.0	55.6	48.0	43.2	39.2	35.6	33.6	26.4	15.4	10.8	8.3	6.9	4.5	3.8	2.1
	W	1596	1117	802	704	612	552	497	451	409	386	304	180	126	97	83	53	45	25
1.75 (10.50)	A	133.2	100.8	70.0	59.6	52.8	46.0	42.0	37.6	34.4	32.0	26.0	14.6	10.1	7.9	6.5	4.4	3.6	2.0
	W	1399	1058	735	656	581	529	483	432	396	368	299	171	119	92	78	52	43	24
1.80 (10.80)	A	118.0	91.2	63.6	54.4	48.4	43.6	39.2	36.0	32.8	31.2	25.2	14.0	10.0	7.7	6.3	4.2	3.5	2.0
	W	1239	958	668	598	532	501	451	414	377	359	290	164	117	90	76	50	42	24
1.83 (10.98)	A	110.0	84.0	50.4	46.8	40.4	37.2	34.8	31.2	28.0	26.8	24.0	13.8	9.5	7.3	5.9	4.1	3.3	1.8
	W	1155	882	529	515	444	428	400	359	322	308	276	161	111	85	71	49	39	22

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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