

閥調式鉛酸蓄電池(VRLA)

PL7-12 (12V7AH)

規格 Type

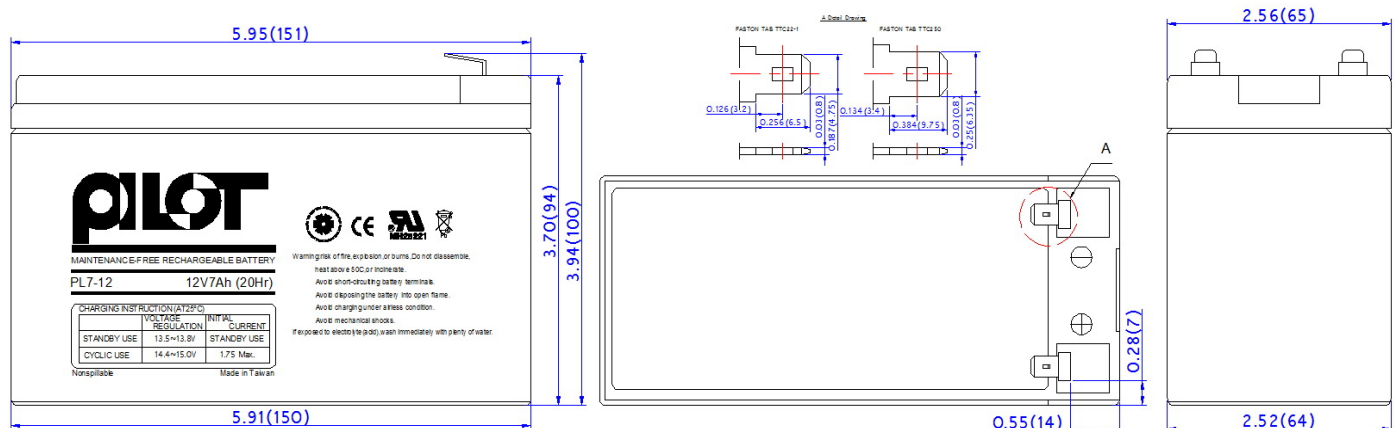
額定電壓 Rated Voltage	12V	
額定容量 Rated Capacity	7.0AH/20Hr/10.5V	
尺寸 Dimension	長度 Length	151±1mm(5.95in)
	寬度 Width	65±1mm(2.56in)
	高度 Height	94±1mm(3.70in)
	總高度 Total Height	100±1mm(3.94in)
重量 Weight	2.25kg(4.95Pounds)	
電槽材質 Container Material	ABS,UL 94V-0 or UL 94-HB 抗酸、抗油、防震 Resist acid, resist oil, resist 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 0.35A to 10.5V	7.00AH
	5 小時率 5HR of 1.13A to 10.5V	5.65AH
	1 小時率 1HR of 4.55A to 10.5V	4.55AH
	0.5 小時率 0.5HR of 7.35A to 10.5V	3.68AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C(77°F)	大約 Approx.18.5mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C(104°F)	105%(20HR to 7.35AH)
	25°C(77°F)	100%(20HR to 7.00AH)
	0°C(32°F)	85%(20HR to 5.95AH)
	-20°C(-4°F)	60%(20HR to 4.20AH)
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	105.0A(15CA)	
浮充 Float Charging	電壓 Voltage	13.65±0.15V 25°C(77°F)
	電流 Current	2.10A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	14.70±0.30V 25°C(77°F)
	電流 Current	1.75A(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)



PL7-12 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	33.32	21.14	15.61	12.67	11.13	9.31	8.33	7.56	7.00	6.37	4.90	2.80	1.96	1.54	1.25	0.81	0.71	0.39
	W	350	222	164	139	122	107	96	87	81	73	56.4	32.8	22.9	18.0	15.0	9.8	8.6	4.7
1.65 (9.90)	A	29.33	19.39	14.42	11.90	10.36	8.82	7.84	7.14	6.58	6.02	4.76	2.77	1.94	1.51	1.23	0.80	0.70	0.39
	W	308	204	151	131	114	101	90	82	76	69	54.7	32.4	22.7	17.6	14.8	9.6	8.4	4.6
1.70 (10.20)	A	26.60	18.62	13.37	11.20	9.73	8.40	7.56	6.86	6.23	5.88	4.62	2.70	1.89	1.45	1.20	0.78	0.66	0.36
	W	279	196	140	123	107	97	87	79	72	68	53.1	31.5	22.1	17.0	14.4	9.3	7.9	4.4
1.75 (10.50)	A	23.31	17.64	12.25	10.43	9.24	8.05	7.35	6.58	6.02	5.60	4.55	2.56	1.77	1.38	1.13	0.76	0.63	0.35
	W	245	185	129	115	102	93	85	76	69	64	52.3	29.9	20.7	16.2	13.6	9.1	7.6	4.2
1.80 (10.80)	A	20.65	15.96	11.13	9.52	8.47	7.63	6.86	6.30	5.74	5.46	4.41	2.45	1.75	1.35	1.11	0.74	0.62	0.34
	W	217	168	117	105	93	88	79	72	66	63	50.7	28.7	20.5	15.8	13.3	8.8	7.4	4.1
1.83 (10.98)	A	19.25	14.70	8.82	8.19	7.07	6.51	6.09	5.46	4.90	4.69	4.20	2.42	1.66	1.28	1.04	0.72	0.57	0.32
	W	202	154	93	90	78	75	70	63	56	54	48.3	28.3	19.4	14.9	12.4	8.6	6.9	3.9

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%

