

# 閥調式鉛酸蓄電池(VRLA)

## PL12-12 (12V12AH)

### 規格 Type

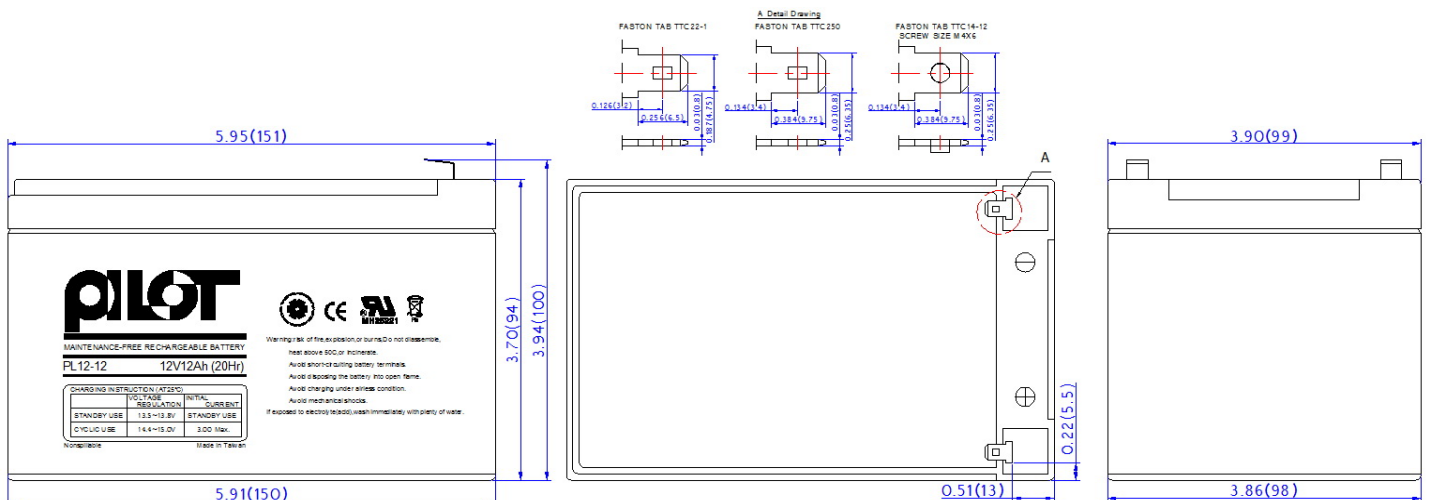
額定電壓 Rated Voltage	12V	
額定容量 Rated Capacity	12.0AH/20Hr/10.5V	
尺寸 Dimension	長度 Length	151±1mm(5.95in)
	寬度 Width	99±1mm(3.90in)
	高度 Height	94±1mm(3.70in)
	總高度 Total Height	100±1mm(3.94in)
重量 Weight	3.75kg(8.25Pounds)	
電槽材質 Container Material	ABS,UL 94V-0 or UL 94-HB 抗酸、抗油、防震 Resist acid, resist oil, resist 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 0.60A to 10.5V	12.0AH
	5 小時率 5HR of 1.94A to 10.5V	9.7AH
	1 小時率 1HR of 7.80A to 10.5V	7.8AH
	0.5 小時率 0.5HR of 12.60A to 10.5V	6.3AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C(77°F)	大約 Approx.15.0mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C(104°F)	105%(20HR to 12.6AH)
	25°C(77°F)	100%(20HR to 12.0AH)
	0°C(32°F)	85%(20HR to 10.2AH)
	-20°C(-4°F)	60%(20HR to 7.2AH)
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	180.0A(15CA)	
浮充 Float Charging	電壓 Voltage	13.65±0.15V 25°C(77°F)
	電流 Current	3.60A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	14.70±0.30V 25°C(77°F)
	電流 Current	3.00A(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)



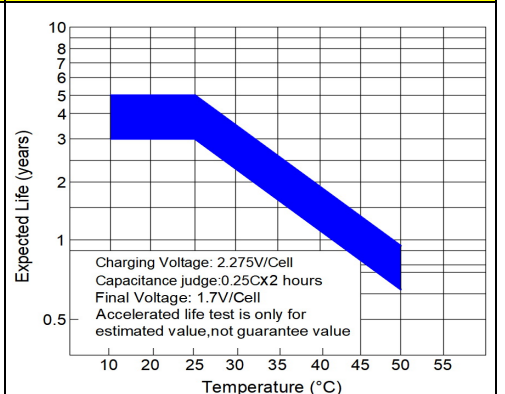
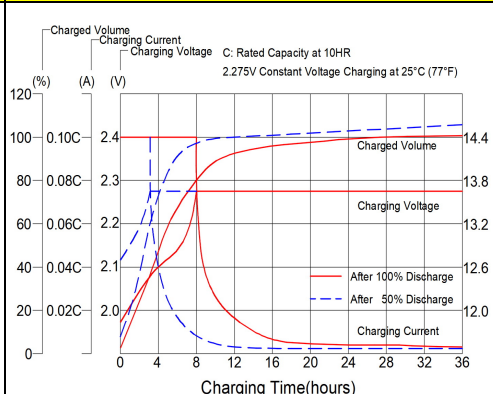
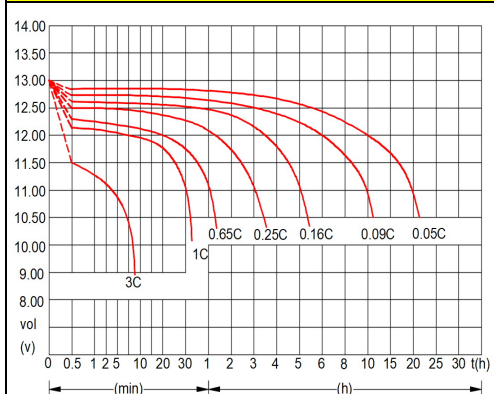
# PL12-12 PROPERTIES

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	57.12	36.24	26.76	21.72	19.08	15.96	14.28	12.96	12.00	10.92	8.40	4.80	3.36	2.64	2.14	1.40	1.22	0.67
	W	600	381	281	239	210	184	164	149	138	126	96.6	56.2	39.3	30.9	25.6	16.7	14.7	8.1
1.65 (9.90)	A	50.28	33.24	24.72	20.40	17.76	15.12	13.44	12.24	11.28	10.32	8.16	4.74	3.32	2.58	2.11	1.37	1.20	0.66
	W	528	349	260	224	195	174	155	141	130	119	93.8	55.5	38.8	30.2	25.3	16.4	14.4	7.9
1.70 (10.20)	A	45.60	31.92	22.92	19.20	16.68	14.40	12.96	11.76	10.68	10.08	7.92	4.62	3.24	2.49	2.06	1.34	1.13	0.62
	W	479	335	241	211	183	166	149	135	123	116	91.1	54.1	37.9	29.1	24.8	16.0	13.5	7.5
1.75 (10.50)	A	39.96	30.24	21.00	17.88	15.84	13.80	12.60	11.28	10.32	9.60	7.80	4.38	3.04	2.37	1.94	1.31	1.08	0.60
	W	420	318	221	197	174	159	145	130	119	110	89.7	51.2	35.6	27.7	23.3	15.7	13.0	7.2
1.80 (10.80)	A	35.40	27.36	19.08	16.32	14.52	13.08	11.76	10.80	9.84	9.36	7.56	4.20	3.00	2.31	1.90	1.26	1.06	0.59
	W	372	287	200	180	160	150	135	124	113	108	86.9	49.1	35.1	27.0	22.8	15.1	12.7	7.1
1.83 (10.98)	A	33.00	25.20	18.12	15.12	13.12	11.16	10.44	9.36	8.40	8.04	7.20	4.14	2.84	2.19	1.78	1.23	0.98	0.55
	W	347	265	195	174	153	143	128	120	108	97	82.8	48.4	33.2	25.6	21.3	14.8	11.8	6.6

用途 Application	密封結構 Seal construction	穩定性 Stabilities
<ul style="list-style-type: none"> <li>☆廣播電視系統 Broadcast television systems</li> <li>☆UPS 緊急備用電源 UPS emergency backup power</li> <li>☆通信系統 Communication back-up systems</li> <li>☆電力系統 Power systems</li> <li>☆緊急照明器材 Emergency lighting equipment</li> <li>☆防火、保全系統 Fire, security systems</li> </ul>	<ul style="list-style-type: none"> <li>☆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%</li> <li>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%</li> <li>☆端子採用合金銅鍍錫材質 Terminals are tin-plated copper alloy material.</li> </ul>	<ul style="list-style-type: none"> <li>☆正負極板是鉛鈣合金 Positive, negative's plates are all Calcium-Lead alloy.</li> <li>☆塑殼是防火 ABS 或等級是 UL 94V-0 L.O.I&gt;28%</li> <li>The plastic material is fire-resistance ABS or same grade of UL 94V-0 L.O.I &gt;28%</li> </ul>

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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