

閥調式鉛酸蓄電池(VRLA)

PL28-12H (12V28AH)

規格 Type

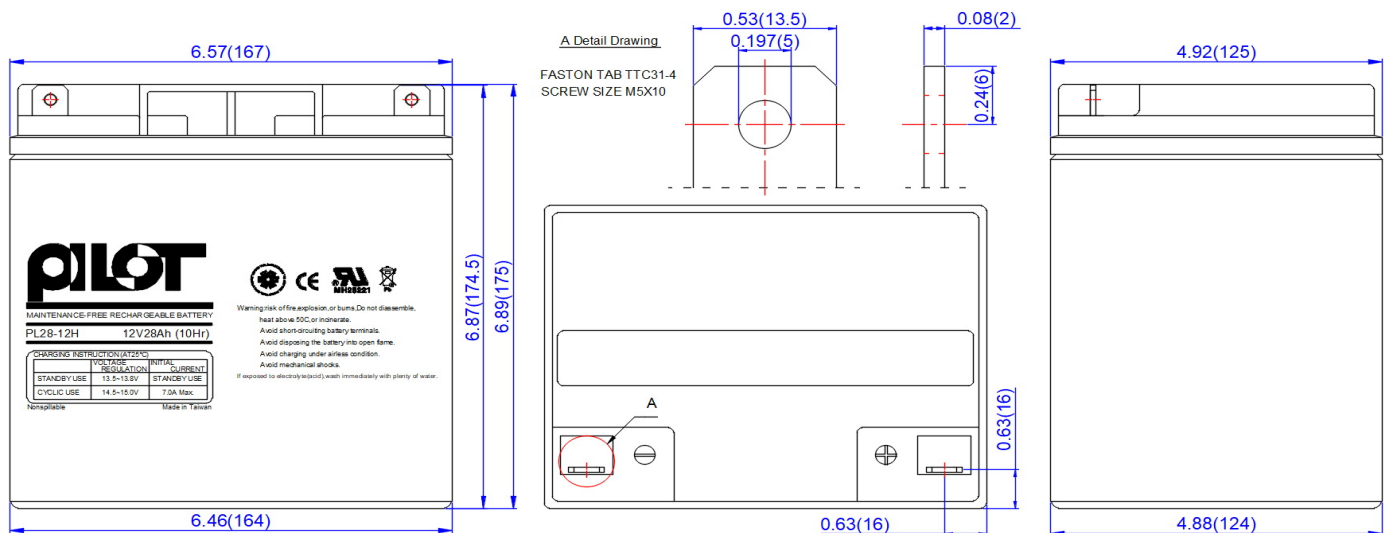
額定電壓 Rated Voltage	12V	
額定容量 Rated Capacity	28AH/10Hr/10.5V	端子 Terminal: 螺栓(M5 Bolt)
尺寸 Dimension	長度 Length	167±1mm(6.57in)
	寬度 Width	125±1mm(4.92in)
	高度 Height	175±1mm(6.89in)
	總高度 Total Height	175±1mm(6.89in)
重量 Weight	8.5kg(18.7Pounds)	
電槽材質 Container Material	ABS, UL 94V-0 or UL 94-HB 抗酸、抗油、防震 Resist 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 2.80A to 10.5V	28.0AH
	5 小時率 5HR of 5.04A to 10.5V	25.2AH
	1 小時率 1HR of 20.16A to 10.5V	20.2AH
	0.5 小時率 0.5HR of 32.50A to 10.5V	16.3AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C(77°F)	大約 Approx.8.8mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C(104°F)	105%(10HR to 29.4AH)
	25°C(77°F)	100%(10HR to 28.0AH)
	0°C(32°F)	85%(10HR to 23.8AH)
	-20°C(-4°F)	60%(10HR to 16.8AH)
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	420A(15CA)	
浮充 Float Charging	電壓 Voltage	13.65±0.15V 25°C(77°F)
	電流 Current	8.40A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	14.70±0.30V 25°C(77°F)
	電流 Current	7.00A(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)



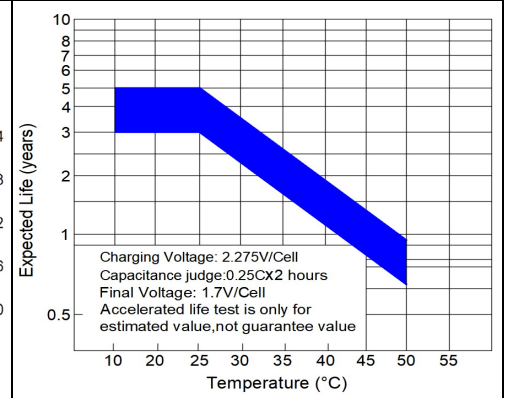
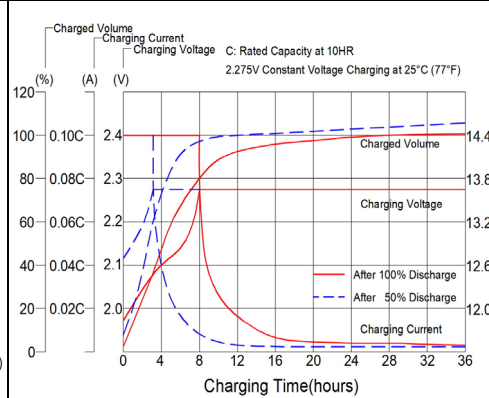
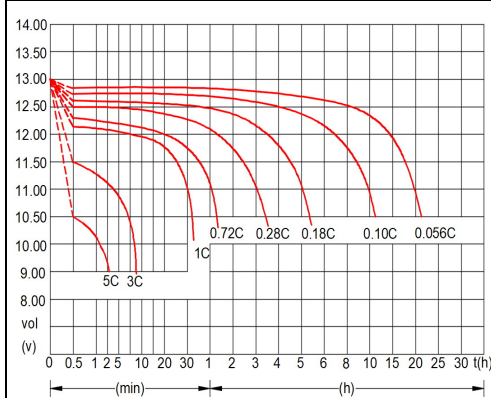
PL28-12H PROPERTIES

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
1.60 (9.60)	A	147.8	93.8	69.2	56.0	49.3	41.2	37.0	33.3	31.1	28.3	21.56	12.43	8.71	6.83	5.54	3.61	3.16	1.74
	W	1552	985	726	616	542	473	425	383	357	325	248	145	102	80	67	43	38	21
1.65 (9.90)	A	130.2	86.0	63.8	52.6	45.9	38.9	34.7	31.6	29.1	26.6	21.00	12.26	8.60	6.69	5.46	3.53	3.11	1.71
	W	1367	903	670	579	505	448	399	364	335	306	242	143	101	78	66	42	37	20
1.70 (10.20)	A	117.9	82.6	61.9	49.6	43.1	37.2	33.3	30.2	27.4	26.0	20.44	11.96	8.40	6.44	5.35	3.44	2.91	1.62
	W	1238	867	650	545	474	428	383	348	316	299	235	140	98	75	64	41	35	19
1.75 (10.50)	A	103.3	78.1	54.3	46.2	40.9	35.6	32.5	29.1	26.6	24.6	20.16	11.34	7.87	6.13	5.04	3.39	2.80	1.57
	W	1085	820	570	508	450	409	374	335	306	283	232	133	92	72	60	41	34	19
1.80 (10.80)	A	91.6	70.8	49.3	42.3	37.5	33.9	30.2	27.7	25.5	24.1	19.32	10.89	7.78	5.99	4.90	3.28	2.74	1.51
	W	961	744	517	465	413	390	348	319	293	277	222	127	91	70	59	39	33	18
1.83 (10.98)	A	85.4	65.2	38.9	36.1	31.4	28.8	26.9	24.1	21.6	20.7	18.48	10.72	7.36	5.68	4.59	3.19	2.55	1.43
	W	897	685	409	397	345	332	309	277	248	238	213	125	86	67	55	38	31	17

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 3N-m 至 5N-m(最大)採用不銹鋼材質，堅固耐用。 Assembling screws using M6 screws, torque from 3N-m to 5N-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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