

閥調式鉛酸蓄電池(VRLA)

PL28-12 (12V28AH)

規格 Type

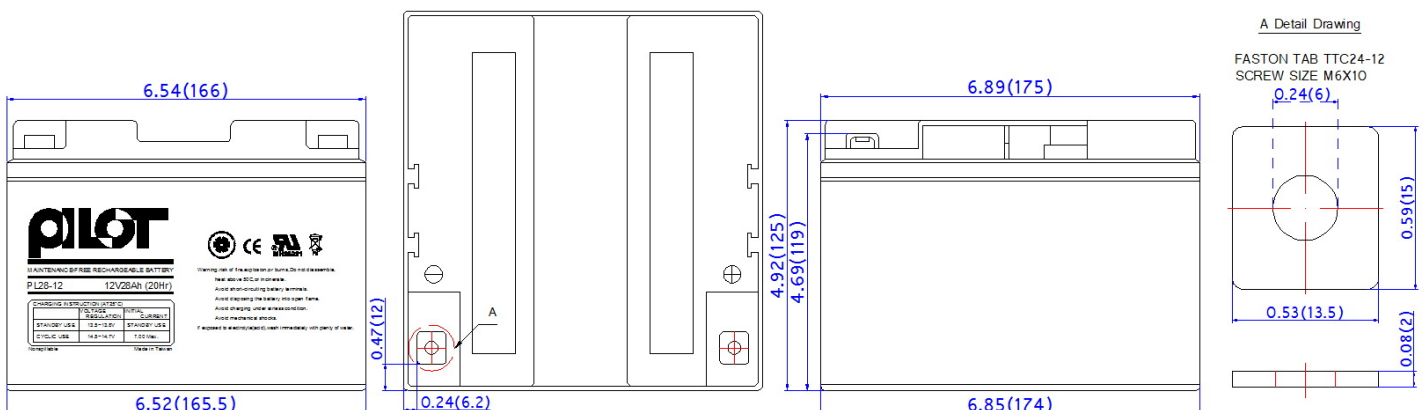
額定電壓 Rated Voltage	12V	
額定容量 Rated Capacity	28.0AH/20Hr/10.5V	端子 Terminal: 螺栓(M6 Bolt)
尺寸 Dimension	長度 Length	166±1mm(6.54in)
	寬度 Width	175±1mm(6.89in)
	高度 Height	125±1mm(4.92in)
	總高度 Total Height	125±1mm(4.92in)
重量 Weight		8.30kg(18.26Pounds)
電槽材質 Container Material	ABS, UL 94V-0 or UL 94-HB 抗酸、抗油、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 1.40A to 10.5V	28.0AH
	5 小時率 5HR of 4.54A to 10.5V	22.7AH
	1 小時率 1HR of 18.20A to 10.5V	18.2AH
	0.5 小時率 0.5HR of 29.40A to 10.5V	14.7AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C (77°F)	大約 Approx. 7.0mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C (104°F)	105%(20HR to 29.4AH)
	25°C (77°F)	100%(20HR to 28.0AH)
	0°C (32°F)	85%(20HR to 23.8AH)
	-20°C (-4°F)	60%(20HR 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	420.0A(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)



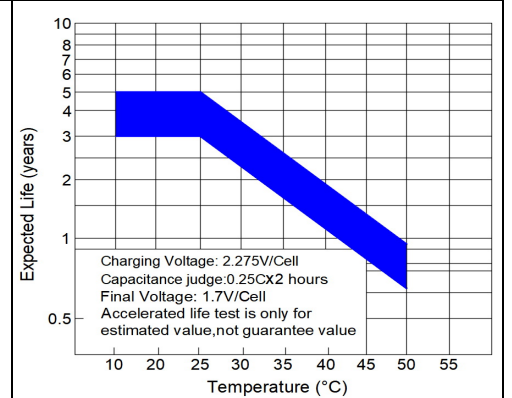
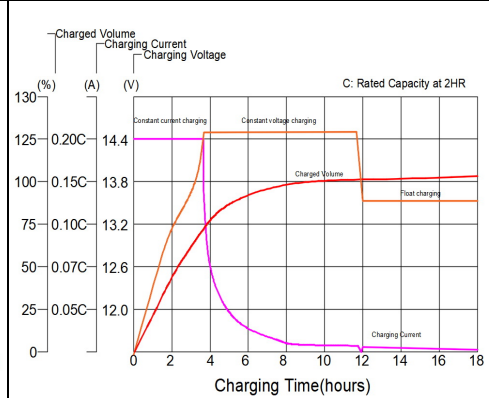
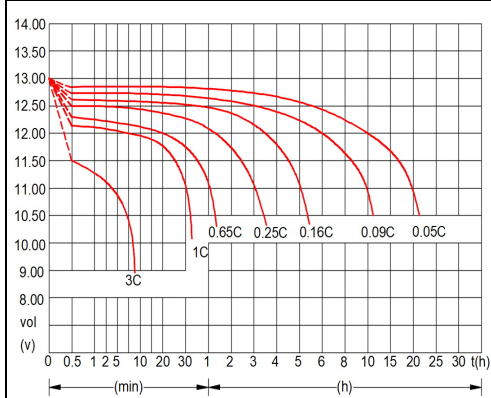
PL28-12 PROPERTIES

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	133.3	84.6	62.4	50.7	44.5	37.2	33.3	30.2	28.0	25.5	19.60	11.20	7.84	6.16	4.98	3.26	2.86	1.57
	W	1399	888	656	557	490	428	383	348	322	293	225.4	131.0	91.7	72.1	59.8	39.1	34.3	18.8
1.65 (9.90)	A	117.3	77.6	57.7	47.6	41.4	35.3	31.4	28.6	26.3	24.1	19.04	11.06	7.75	6.02	4.93	3.19	2.80	1.54
	W	1232	814	606	524	456	406	361	328	303	277	219.0	129.4	90.6	70.4	59.1	38.2	33.6	18.5
1.70 (10.20)	A	106.4	74.5	53.5	44.8	38.9	33.6	30.2	27.4	24.9	23.5	18.48	10.78	7.56	5.81	4.82	3.12	2.63	1.46
	W	1117	782	562	493	428	386	348	316	287	270	212.5	126.1	88.5	68.0	57.8	37.4	31.6	17.5
1.75 (10.50)	A	93.2	70.6	49.0	41.7	37.0	32.2	29.4	26.3	24.1	22.4	18.20	10.22	7.09	5.53	4.54	3.05	2.52	1.40
	W	979	741	515	459	407	370	338	303	277	258	209.3	119.6	83.0	64.7	54.4	36.5	30.2	16.8
1.80 (10.80)	A	82.6	63.8	44.5	38.1	33.9	30.5	27.4	25.2	23.0	21.8	17.64	9.80	7.00	5.39	4.42	2.94	2.46	1.37
	W	867	670	467	419	373	351	316	290	264	251	202.9	114.7	81.9	63.1	53.1	35.3	29.6	16.5
1.83 (10.98)	A	77.0	58.8	35.3	32.8	28.3	26.0	24.4	21.8	19.6	18.8	16.80	9.66	6.63	5.11	4.14	2.87	2.30	1.29
	W	809	617	370	360	311	299	280	251	225	216	193.2	113.0	77.5	59.8	49.7	34.4	27.6	15.5

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 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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