

閥調式鉛酸蓄電池(VRLA)

PL85-12 (12V85AH)

規格 Type

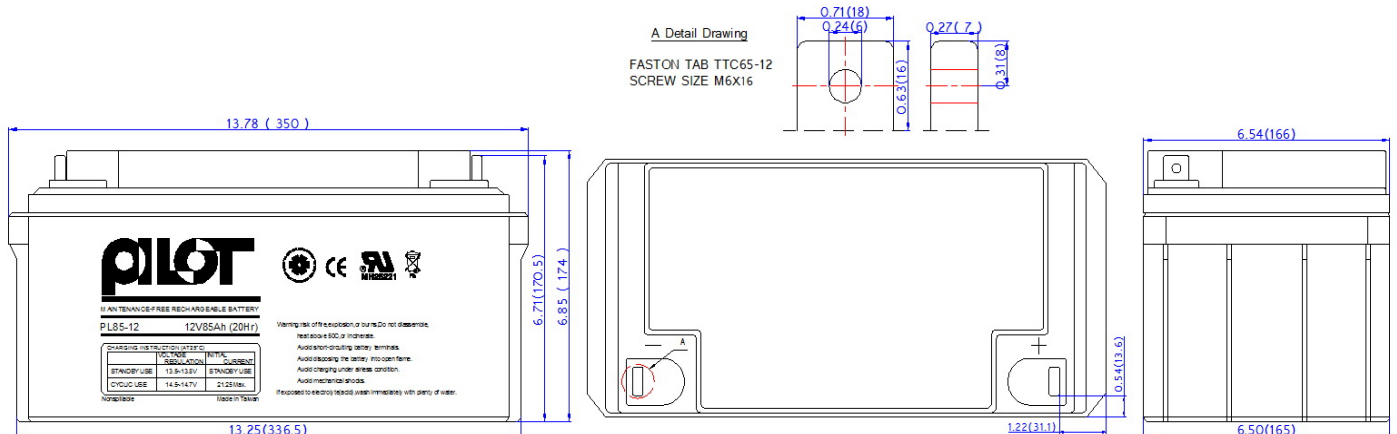
額定電壓 Rated Voltage	12V	
額定容量 Rated Capacity	85.0AH/20Hr/10.5V	端子 Terminal: 螺栓(M6 Bolt)
尺寸 Dimension	長度 Length	350±1mm(13.78in)
	寬度 Width	166±1mm(6.54in)
	高度 Height	174±1mm(6.85in)
	總高度 Total Height	174±1mm(6.85in)
重量 Weight	25kg(55Pounds)	
電槽材質 Container Material	ABS, UL 94V-0 or UL 94-HB 抗酸、抗油、防震 Resist 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 4.25A to 10.5V	85.0AH
	5 小時率 5HR of 13.8A to 10.5V	69.0AH
	1 小時率 1HR of 53.6A to 10.5V	53.6AH
	0.5 小時率 0.5HR of 89.0A to 10.5V	44.5AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C(77°F)	大約 Approx.5.5mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C(104°F)	105%(20HR to 89.3AH)
	25°C(77°F)	100%(20HR to 85.0AH)
	0°C(32°F)	85%(20HR to 72.3AH)
	-20°C(-4°F)	60%(20HR to 51.0AH)
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	850.0A(10CA)	
浮充 Float Charging	電壓 Voltage	13.65±0.15V 25°C(77°F)
	電流 Current	25.50A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	14.70±0.30V 25°C(77°F)
	電流 Current	21.25A(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) 6~8 years	

尺寸 Dimension: inch (mm)



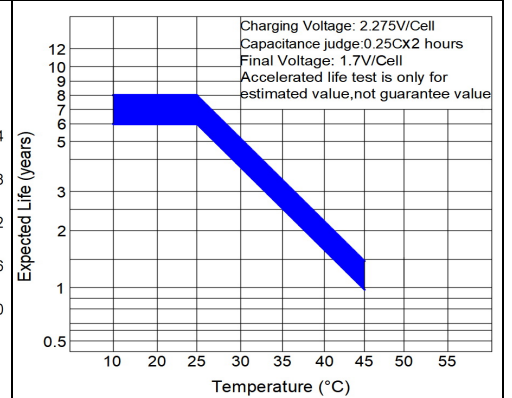
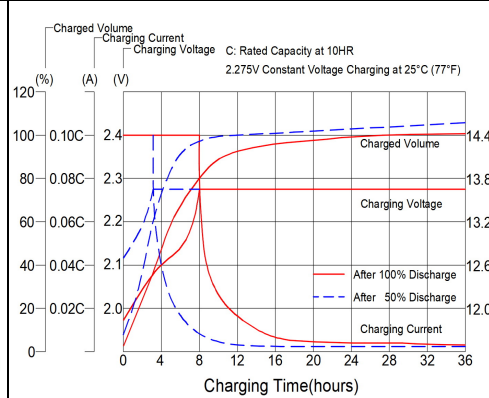
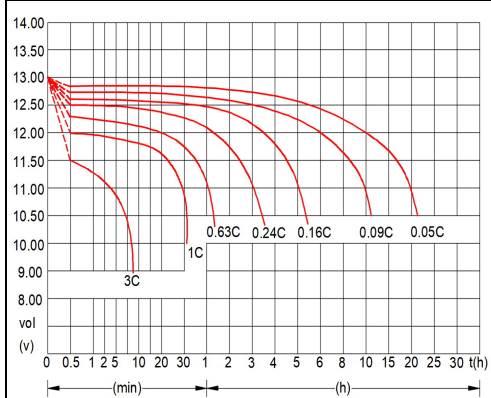
PL85-12 PROPERTIES

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

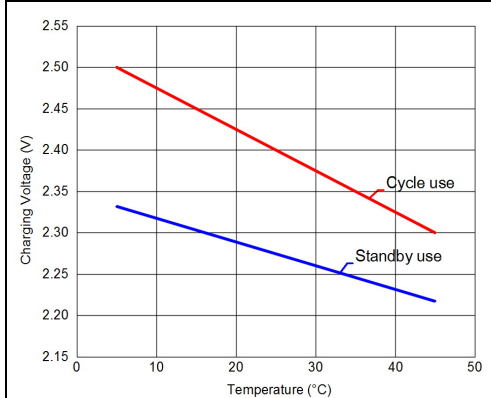
F.V.	Time	Minutes										Hours							
	Item	1	5	10	15	20	25	30	35	40	45	1	2	3	4	5	8	10	20
1.60 (9.60)	A	405	257	190	154	135	113	101	92	85	77	57.8	33.0	23.1	18.7	15.1	9.9	8.7	4.8
	W	4248	2695	1990	1692	1487	1300	1163	1056	978	890	664	386	270	219	182	119	104	57
1.65 (9.90)	A	356	235	175	145	126	107	95	87	80	73	56.1	32.6	22.8	18.3	15.0	9.7	8.5	4.7
	W	3740	2472	1839	1590	1384	1232	1095	997	919	841	645	381	267	214	180	116	102	56
1.70 (10.20)	A	323	226	162	136	118	102	92	83	76	71	54.5	31.8	22.3	17.6	14.6	9.5	8.0	4.4
	W	3392	2374	1705	1496	1300	1173	1056	958	870	821	626	372	261	206	175	113	96	53
1.75 (10.50)	A	283	214	149	127	112	98	89	80	73	68	53.6	30.1	20.9	16.8	13.8	9.2	7.7	4.3
	W	2972	2249	1562	1393	1234	1124	1026	919	841	782	617	352	245	196	165	111	92	51
1.80 (10.80)	A	251	194	135	116	103	93	83	77	70	66	52.0	28.9	20.6	16.4	13.4	8.9	7.5	4.2
	W	2633	2035	1419	1272	1131	1065	958	880	802	762	598	338	241	191	161	107	90	50
1.83 (10.98)	A	234	179	107	99	86	79	74	66	60	57	49.5	28.5	19.5	15.5	12.6	8.7	7.0	3.9
	W	2454	1874	1125	1094	944	909	850	762	684	655	569	333	228	181	151	105	84	47

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.

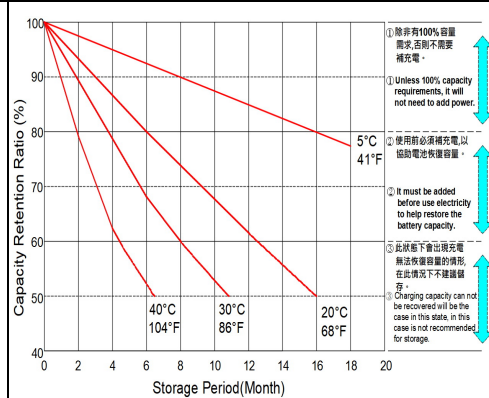
放電特性(25°C) Discharge characteristic at different rates(25°C)	定電壓充電(25°C) Charging Characteristics	浮充期待壽命 Float Service Life
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溫度與充電電壓關係 Relationship Between Temperature And Charging Voltage
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容量保持特性 Capacity Retention Characteristics
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壽命循環關係 Cycle Service Life

