

閥調式鉛酸蓄電池(VRLA)

PL240-12HB (12V240AH)

規格 Type

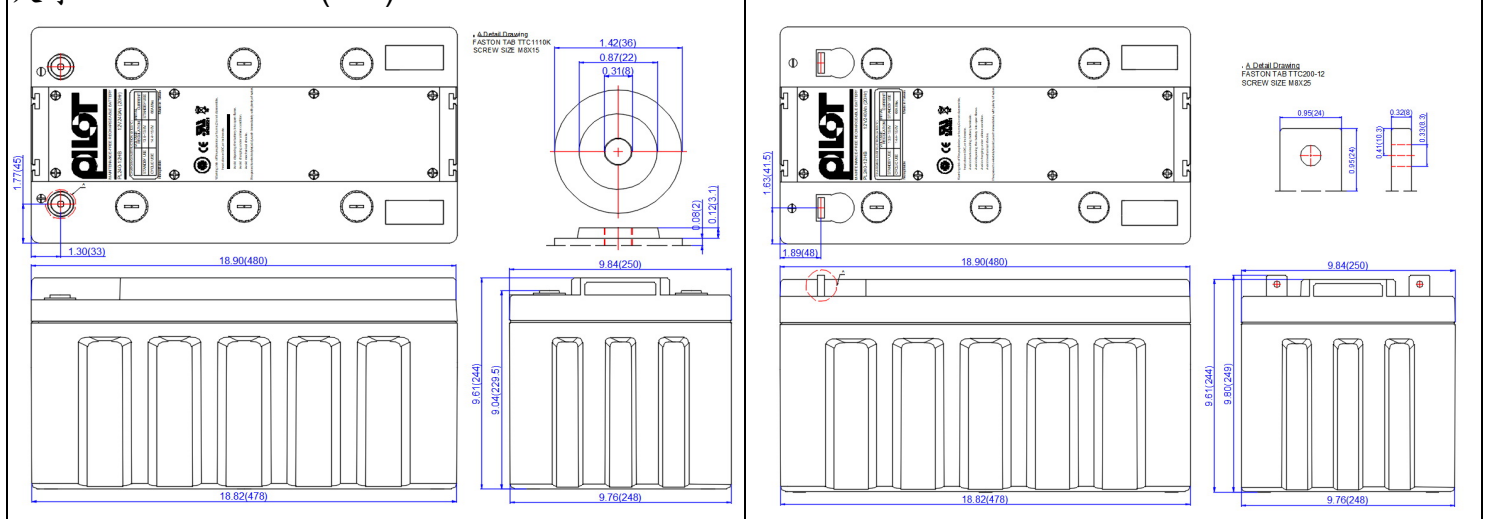
額定電壓 Rated Voltage	12V	
額定容量 Rated Capacity	240.0AH/20Hr/10.5V	端子 Terminal:螺栓(M8 Bolt)
尺寸 Dimension	長度 Length	480±1mm(18.90in)
	寬度 Width	250±1mm(9.84in)
	高度 Height	244±1mm(9.61in)
	總高度 Total Height	244±1mm(9.61in)
重量 Weight		68.0kg(149.6Pounds)
電槽材質 Container Material	ABS,UL 94V-0 or UL 94-HB 抗酸、抗油、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	凝膠型 Gel Type



特性 Properties

容量 Capacity 25°C(77°F)	20 小時率 20HR of 12.0A to 10.5V	240.0AH
	5 小時率 5HR of 38.9A to 10.5V	194.5AH
	1 小時率 1HR of 156.0A to 10.5V	156.0AH
	0.5 小時率 0.5HR of 252.0A to 10.5V	126.0AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C(77°F)	大約 Approx.2.70mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C(104°F)	105%(20HR to 252AH)
	25°C(77°F)	100%(20HR to 240AH)
	0°C(32°F)	85%(20HR to 204AH)
	-20°C(-4°F)	60%(20HR to 144AH)
自我放電 Self-discharge	180 天後不到 15%，可以在 20°C (68°F) 下保存 8 個月；使用前需要完全充電。 Less than 15% after 180 days, it can be stored at 20°C (68°F) for 8 months; it needs to be fully charged before use.	
最大放電電流 5 秒 Maximum Discharge Current at 5 Sec		1560.0A(6.5CA)
冷啟動電流 Cold start current (-18°C)		900A
浮充 Float Charging	電壓 Voltage	13.65±0.15V 25°C(77°F)
	電流 Current	72.00A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	14.70±0.30V 25°C(77°F)
	電流 Current	60.00A(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)	
設計壽命 Design life	25°C(77°F) 8~10 years	

尺寸 Dimension: inch (mm)



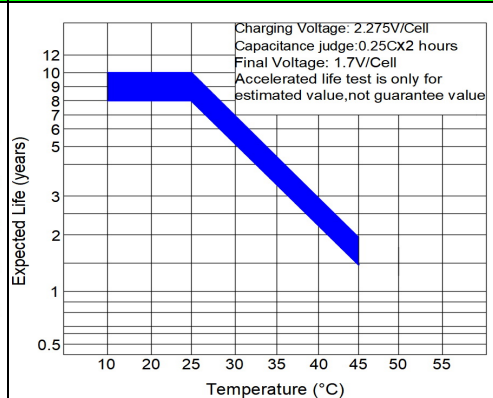
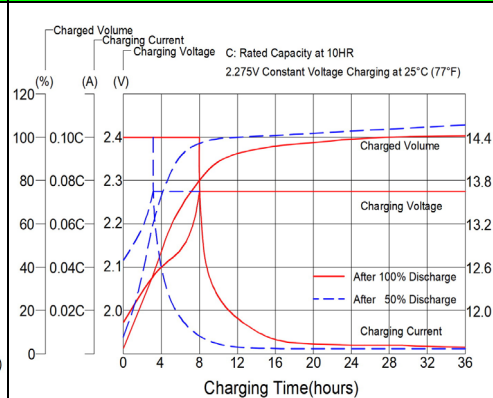
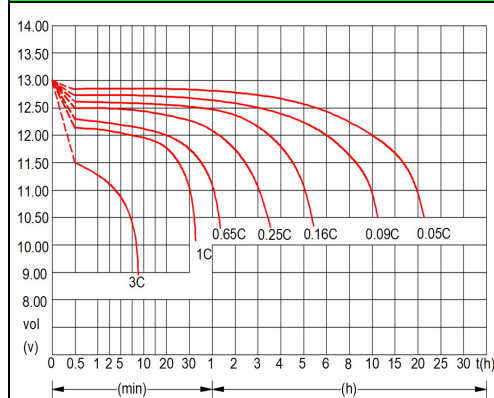
PL240-12HB PROPERTIES

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

F.V.	Time	Minutes									Hours							
	Item	5	10	15	20	25	30	35	40	45	1	2	3	4	5	8	10	20
1.60 (9.60)	A	724.8	535.2	434.4	381.6	319.2	285.6	259.2	240.0	218.4	168.0	96.0	67.2	52.8	42.7	27.9	24.5	13.4
	W	7610	5620	4778	4198	3671	3284	2981	2760	2512	1932	1123	786	618	513	335	294	161
1.65 (9.90)	A	664.8	494.4	408.0	355.2	302.4	268.8	244.8	225.6	206.4	163.2	94.8	66.4	51.6	42.2	27.3	24.0	13.2
	W	6980	5191	4488	3907	3478	3091	2815	2594	2374	1877	1109	777	604	507	328	288	158
1.70 (10.20)	A	638.4	458.4	384.0	333.6	288.0	259.2	235.2	213.6	201.6	158.4	92.4	64.8	49.8	41.3	26.7	22.6	12.5
	W	6703	4813	4224	3670	3312	2981	2705	2456	2318	1822	1081	758	583	495	320	271	150
1.75 (10.50)	A	604.8	420.0	357.6	316.8	276.0	252.0	225.6	206.4	192.0	156.0	87.6	60.8	47.4	38.9	26.1	22.1	12.0
	W	6350	4410	3934	3485	3174	2898	2594	2374	2208	1794	1025	711	555	467	313	265.0	144
1.80 (10.80)	A	547.2	381.6	326.4	290.4	261.6	235.2	216.0	196.8	187.2	151.2	84.0	60.0	46.2	37.9	25.2	21.1	11.8
	W	5746	4007	3590	3194	3008	2705	2484	2263	2153	1739	983	702	541	455	302	253.4	141
1.83 (10.98)	A	504.0	302.4	280.8	242.4	223.2	208.8	187.2	168.0	160.8	144.0	82.8	56.8	43.8	35.5	24.6	19.7	11.0
	W	5292	3175	3089	2666	2567	2401	2153	1932	1849	1656	969	665	512	426	295	236.2	132

用途 Application	密封結構 Seal construction	穩定性 Stabilities
<ul style="list-style-type: none"> ☆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 ☆太陽能儲備系統 Solar storage power systems ☆緊急照明 Emergency lighting 	<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 M8 螺絲，扭力從 7N-m 至 10N-m(最大)採用不銹鋼材質，堅固耐用。 Assembling screws using M8 screws, torque from 7N-m to 10N-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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