

閥調式鉛酸蓄電池(VRLA)

PL120-12HB (12V120AH)

規格 Type

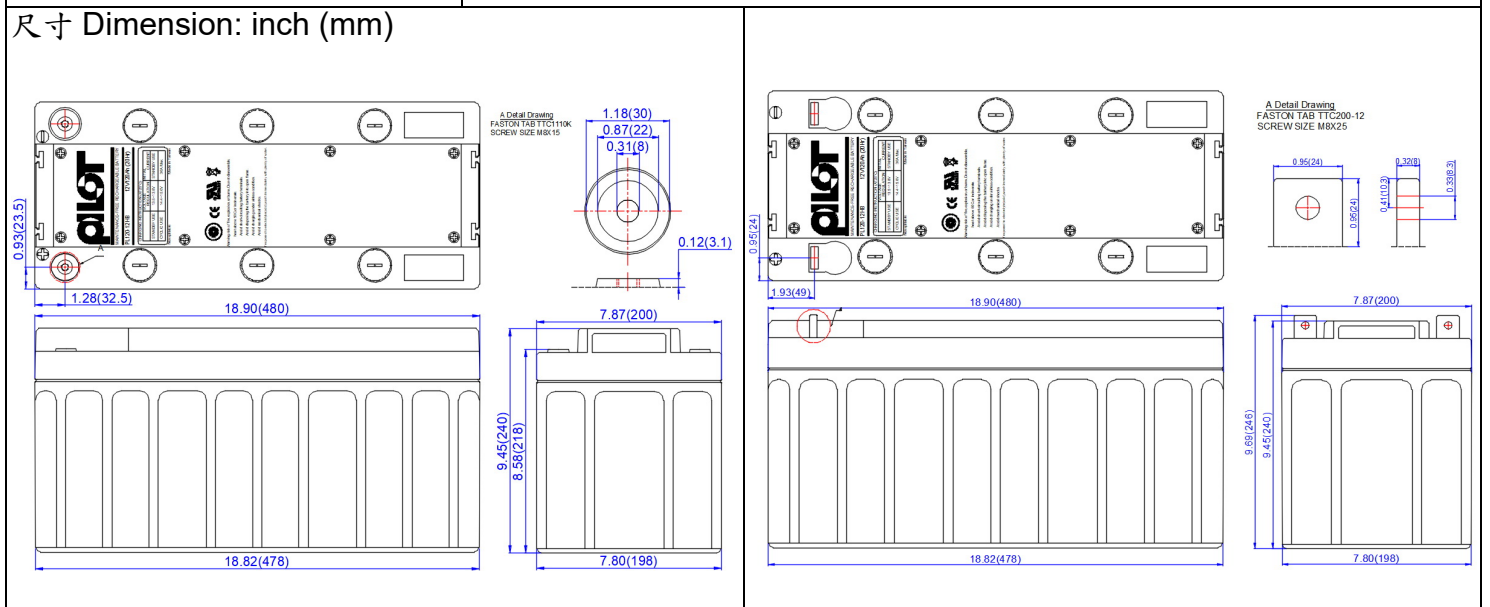
額定電壓 Rated Voltage	12V	
額定容量 Rated Capacity	120.0AH/20Hr/10.5V	端子 Terminal: 螺栓(M8 Bolt)
尺寸 Dimension	長度 Length	480±1mm(18.90in)
	寬度 Width	200±1mm(7.87in)
	高度 Height	240±1mm(9.45in)
	總高度 Total Height	240±1mm(9.45in)
重量 Weight	39.5kg(86.9Pounds)	
電槽材質 Container Material	ABS, UL 94V-0 or UL 94-HB 抗酸、抗油、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 6.0A to 10.5V	120.0AH
	5 小時率 5HR of 19.4A to 10.5V	97.0AH
	1 小時率 1HR of 78.0A to 10.5V	78.0AH
	0.5 小時率 0.5HR of 126.0A to 10.5V	63.0AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C(77°F)	大約 Approx.3.5mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C(104°F)	105%(20HR to 126AH)
	25°C(77°F)	100%(20HR to 120AH)
	0°C(32°F)	85%(20HR to 102AH)
	-20°C(-4°F)	60%(20HR to 72AH)
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	780.0A(6.5CA)	
浮充 Float Charging	電壓 Voltage	13.65±0.15V 25°C(77°F)
	電流 Current	36.00A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	14.70±0.30V 25°C(77°F)
	電流 Current	30.00A(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) 8~10 years	

尺寸 Dimension: inch (mm)



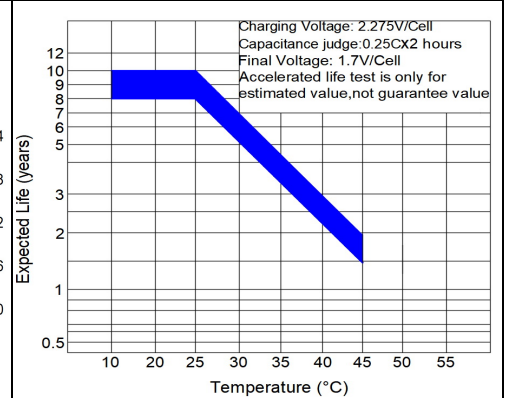
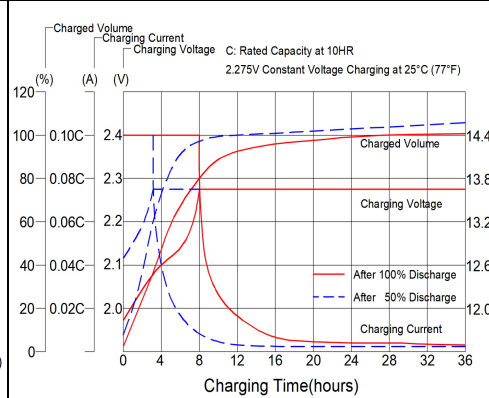
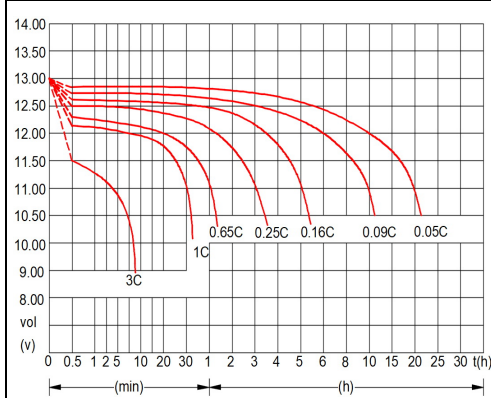
PL120-12HB PROPERTIES

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	362.4	267.6	217.2	190.8	159.6	142.8	129.6	120.0	109.2	84.0	48.0	38.1	26.4	21.4	14.0	12.2	6.7
	W	3805	2810	2389	2099	1835	1642	1490	1380	1256	966	562	445	309	256	167	147	81
1.65 (9.90)	A	332.4	247.2	204.0	177.6	151.2	134.4	122.4	112.8	103.2	81.6	47.4	35.3	25.8	21.1	13.7	12.0	6.6
	W	3490	2596	2244	1954	1739	1546	1408	1297	1187	938	555	413	302	253	164	144	79
1.70 (10.20)	A	319.2	229.2	192.0	166.8	144.0	129.6	117.6	106.8	100.8	79.2	46.2	34.5	24.9	20.6	13.4	11.3	6.2
	W	3352	2407	2112	1835	1656	1490	1352	1228	1159	911	541	404	291	248	160	135	75
1.75 (10.50)	A	302.4	210.0	178.8	158.4	138.0	126.0	112.8	103.2	96.0	78.0	43.8	32.3	23.7	19.4	13.1	10.8	6.0
	W	3175	2205	1967	1742	1587	1449	1297	1187	1104	897	512	378	277	233	157	130	72
1.80 (10.80)	A	273.6	190.8	163.2	145.2	130.8	117.6	108.0	98.4	93.6	75.6	42.0	32.0	23.1	19.0	12.6	10.6	5.9
	W	2873	2003	1795	1597	1504	1352	1242	1132	1076	869	491	374	270	228	151	127	71
1.83 (10.98)	A	252.0	151.2	140.4	121.2	111.6	104.4	93.6	84.0	80.4	72.0	41.4	30.2	21.9	17.8	12.3	9.8	5.5
	W	2646	1588	1544	1333	1283	1201	1076	966	925	828	484	354	256	213	148	118	66

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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